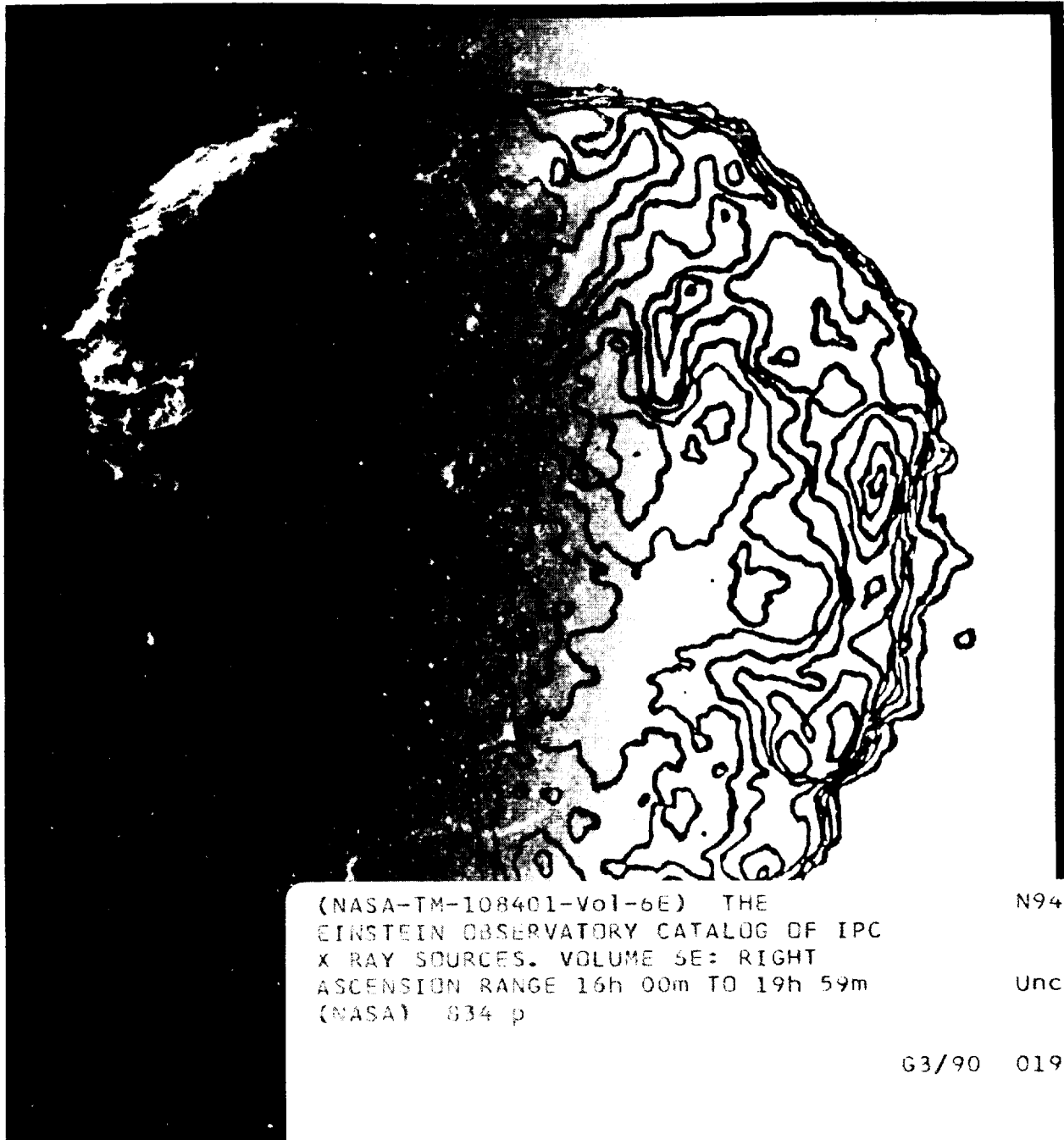


THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES



(NASA-TM-108401-Vol-6E) THE
EINSTEIN OBSERVATORY CATALOG OF IPC
X RAY SOURCES. VOLUME 5E: RIGHT
ASCENSION RANGE 16h 00m TO 19h 59m
(NASA) 634 p

N94-18615

Unclass

G3/90 0195933

SMITHSONIAN ASTROPHYSICAL OBSERVATORY

[Relevant section numbers of Volume 1 are given in square brackets.]

- A) Sequence number of the observation. [5.0]
- B) Right ascension (1950) of the field center.
- C) First contour level (counts arcmin⁻²) and peak value. Successive contours increase by factors of 2. Negative contours are dotted. [4.5]
- D) Numbers of deep survey (DS) and bright Earth (BE) counts contained in the background map which has been subtracted from the data. [4.5]
- E) "Road-map" grid defining detector coordinates. These are required for estimating intensity upper limits. They are not present for observations which include data with "unstable" pointings. [4.6]
- F) Gray scale showing the relative exposure map (dominated by vignetting and the rib support shadows). [4.3]
- G) Intensity map, with detected sources indicated by field number and a cross (also listed in the table below the map). The map has had the background subtracted and has been corrected for vignetting. [4.1, 4.2] The coordinates of the map are R.A. and decl. (1950).
- H) Observation title from "Yellow Book" (Seward and Martenis 1986).
- I) Position of the field center in celestial (B1950 and J2000) and Galactic coordinates. [3.1]
- J) Other field data: start and stop dates [3.2]; live time [3.3]; roll angle of detector (clockwise from north; for zero degrees roll, detector letters are along the bottom of the road map) [3.4]; and the column density of neutral hydrogen in our Galaxy [3.5].
- K) Ref/ID flag: a nonblank entry indicates that a paper has been published on this field or on a source in the field. [3.6; Appendix I]
- L) Field flag [3.7]:
 - B: Background map suspect; may affect MDETECT
 - C: Combined fields: a merged map exists [Appendix J]
 - D: Deletion of one or more detections judged to be spurious [Appendix F]
 - G: Ghost image probably present
 - L: LDETECT only (MDETECT not run)
 - P: Particle-event contamination possible in background
 - S: Source has been missed by the detect algorithms [Appendix G]
 - T: Time correction redone to rectify erroneous dead-time calculation
- M) Catalog number and field number for the sources. An "L" following the field number indicates that the source was found by LDETECT only. [5.1, 5.2]
- N) Corrected count rate, as measured in a 2/4 box [5.4]. A preceding "*" warns that the intensity may be underestimated [5.8].
- O) Cell counts and the signal to noise ratio of the detection. [5.5, 5.6]
- P) SIZCOR, an intensity correction factor useful in estimating the intensity of extended sources, is the ratio of counts within the 3 σ (lowest) contour to the net cell counts (corrected for the point response function) [5.7]. RECO, the "rib and edge code," when nonzero, indicates that intensity measurements may be underestimated [5.8]. R' is the distance from the source to the field center in arcminutes.
- Q) Source flag [5.10]:
 - A: Additional detection(s) occurred in other field(s). [Appendix H]
 - a: Probably should be paired with another detection, but separation exceeded cutoff and thus not assigned an "A" flag.
 - E: Intensity corrected for source near the exposure cutoff at the field edge.
 - H: A hardness ratio is available [Appendix D]
 - I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.
- R) Ref/ID flag; see (K) above. [5.11]
- S) Volume number and page number

THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES

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Volume 6

$16^h\ 00^m$

to

$19^h\ 59^m$

1990

The graphic inset on the cover was designed by Elizabeth Bohlen. The X-ray contours of the Cygnus Loop were generated by F. Seward from a montage of several IPC observations. The optical photograph is from the Palomar Sky Atlas; ©1960 The National Geographic Society – Palomar Sky Survey. Reproduced by permission of the California Institute of Technology.

The first volume of this seven-volume catalog contains complete documentation for the material that follows. Volumes 2–7 contain the Einstein imaging proportional counter (IPC) observations, ordered by right ascension with 4 hours per volume. Here we provide a short guide to the catalog pages, but the user is referred to Volume 1 for the details of this catalog.

1 The Contour Map

The map is constructed from the BROAD energy band (0.16–3.5 keV), smoothed with a Gaussian of FWHM=75". The data have had background subtracted and vignetting corrections applied. X-ray brightness units are counts arcmin⁻², with contour levels increasing by factors of 2. Dashed contours indicate negative levels (with the same values as the positive contours). The lowest positive contour level is 3 σ above the background at the field center; this level and the peak brightness level in the map are given in the lower left-hand corner.

Sources satisfying the catalog selection criteria (cf. § 2 of Vol. 1) are indicated by crosses, with their field numbers adjoining the cross. The gray scale shows the relative exposure, ranging from 1.0 at the field center (white) to zero under the rib shadows. Although it is difficult for the eye to differentiate between zero and the normal values in the field corners (about 0.25), we have chosen this low-contrast gray scale so that the contours will still dominate the visual impression. The exposure map is zeroed at any location where the effective exposure is < 300 s or <25% of the value at the field center.

For observations with "stable" pointings, a "road-map" index surrounds the map. This grid of characters defines detector coordinates, and may be used with the tables in Appendix B (Vol. 1) to estimate upper limits for X-ray intensities at arbitrary locations within the field.

In the lower right-hand corner we give the counts in the background maps which were subtracted from the image prior to smoothing the data. "DS BKG CNTS" gives the total counts in the scaled version of the standard background map made from a superposition of deep survey fields. "BE BKG CNTS" specifies the contribution (positive or negative) to the background map from the standard "bright Earth" background.

2 Field Description

Beneath the contour diagram are parameters pertaining to the observation. The observation title was taken from the "Yellow Book" (Seward and Martenis, 1986), which is known to contain a few misnamed sequences. Titles preceded by "(?)" appear in Table 3.0 (cf. § 3.0 of Vol. 1), which lists possibly misleading titles. The coordinates of the field center are given for two epochs, B1950 and J2000, as well as in Galactic coordinates. The date entry gives the start day and stop day of the observation in yyyy/ddd format. The "live time" is the data-acquisition time corrected for telemetry dead-time effects. The roll angle is given for observations with stable pointings, and is the angle which specifies the orientation of the detector on the sky, with positive values indicating clockwise rotation when looking at the sky, starting from north as zero degrees. For a roll angle of zero, the "narrowest edge area" (i.e., outside the shadow of the entrance window support "ribs"; cf. Vol. 1) lies horizontally along the top of the map; the numbered detector coordinate scale runs down the left side; and the lettered scale is on the bottom, running from left to right.

The column density of neutral hydrogen in our Galaxy for the pointing direction, given as the " N_H " parameter, has been integrated from radio observations of the HI line. The "Ref/ID" flag, if present, alerts the reader that Appendix I of Volume 1 contains an entry referring to a publication dealing with this observation. The field flag is used to describe certain conditions which are listed at the end of this introduction.

3 The Source Table

Whenever sources have been detected (at signal-to-noise ratios ≥ 3.5 , in the BROAD energy band), a source table is present below the field description. The catalog number identifies unique sources in this catalog. The field number should be considered an "internal" catalog parameter to be used to facilitate the correlation of contour map features with their entries in the source table and to locate source information in the appendices. "External" references to sources should use the IAU conventions or the catalog number, both preceded by "2E," which is the adopted prefix for this catalog (see Vol. 1, §1.5).

The count rate (with its 1σ uncertainty) refers to that measured in the standard detect cell (2'4 on a side) and has been corrected for telescope vignetting as well as for the standard scattering correction. The net and background counts also refer to the standard detect cell and are provided to assist users in evaluating source reliability. The signal-to-noise ratio of the detection is also given.

The size correction ("SIZCOR") is a multiplicative factor useful in estimating the intensity of sources which are much more extended than the resolution of the maps (approximately 2' FWHM). RECO is the "rib and edge code" and, when nonzero, alerts the user to the condition that the source intensity measurement may be affected by shadowing of the window support structure (ribs) or proximity to a detector edge. The distance of the source from the field center is given in arcminutes by R' .

The source flag is a one letter indicator denoting certain conditions described below, and the "ID" flag, when present, indicates that references to published papers concerning the source can be found by consulting Appendix I (Vol. 1).

4 Meaning of the Flags

Complete descriptions of the purpose and meaning of the various flags is given in Volume 1; here we give only a brief summary.

Ref/ID FLAGS

AGN	Active galactic nucleus
BL	BL Lac object
CLG	Cluster of galaxies or group of galaxies
CV	Cataclysmic variable
G	Galaxy
GLB	Globular cluster
P	Pulsar
Q	Quasar
RS	Radio source (optical type not specified)
S	Star
SNR	Supernova remnant
SY	Seyfert galaxy
*	Unspecified type: indicates separation $< 100''$
†	Unspecified type: indicates separations between $100''$ and $150''$
!	Unspecified type of (undetected) source(s) in the field

FIELD FLAGS

- B — Background is suspect; not a reference to further information. For a very few sequences, the MDETECT background map seemed unsuccessful in representing the true background. In these rare cases, the reliability of MDETECT sources (and the values of SIZCOR) may have been affected.
- C — Combined to form merged field. The current observation has been merged with one or more additional pointings to produce a combined map with a "new" sequence number. Results of the merged analyses appear in Appendix J, but in order to preserve statistical independence they were not included in the IPC source list (Vol. 1).
- D — Deleted detections. One or more detections have been deleted from this field and are listed in Appendix F of Volume 1. Such detections (primarily within extended emission regions such as supernova remnants and clusters) were deleted from the catalog because they were judged to be spurious.

- G — Ghost image (probably) present. See Appendix A of Volume 1 for a description of this effect due to bright sources just outside the IPC field of view.
- L — LDETECT only; not a reference to further information. Reasons for not running the MDETECT detection algorithm are discussed in Appendix A of Volume 1.
- P — Particle-event contamination of the background.
- S — Sources missed. One or more known sources in this field were missed by the detection algorithms. A list of such sources appears in Appendix G of Volume 1.
- T — Time correction made. The dead-time correction used in Rev1B was in error by 3% or more (occurred for 84 IPC sequences); this sequence has been reprocessed to obtain the proper live time.

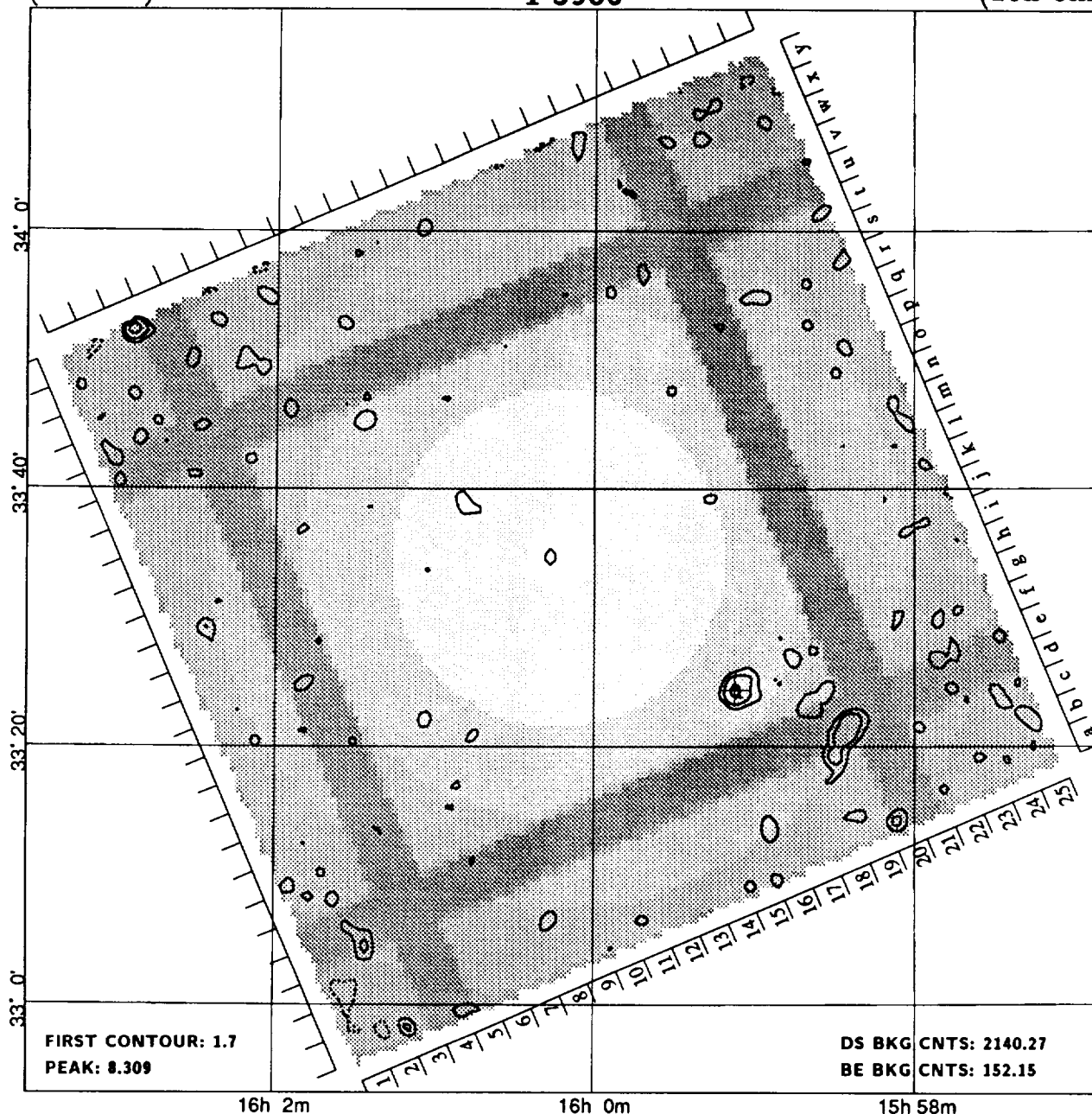
SOURCE FLAGS

- A: Additional detection(s) occurred in other field(s).
- a: Probably should be paired with another detection, but separation exceeded cutoff; thus not assigned an “A” flag.
- E: Intensity corrected for source near the exposure cutoff at the field edge.
- H: A hardness ratio is available (cf. Appendix D of Vol. 1).
- I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.

(16h 0m)

I 3986

(16h 0m)



1600+335, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: $16^h00^m11.9^s$ $33^\circ35'09''$ (B1950)
 $16^h02^m07.2^s$ $33^\circ26'53''$ (J2000)
 $l: 53.73$ $b: 48.71$

DATE: 1980/ 20 - 1980/ 20
 LIVETIME: 1734.3s
 ROLL ANGLE: -113.2°

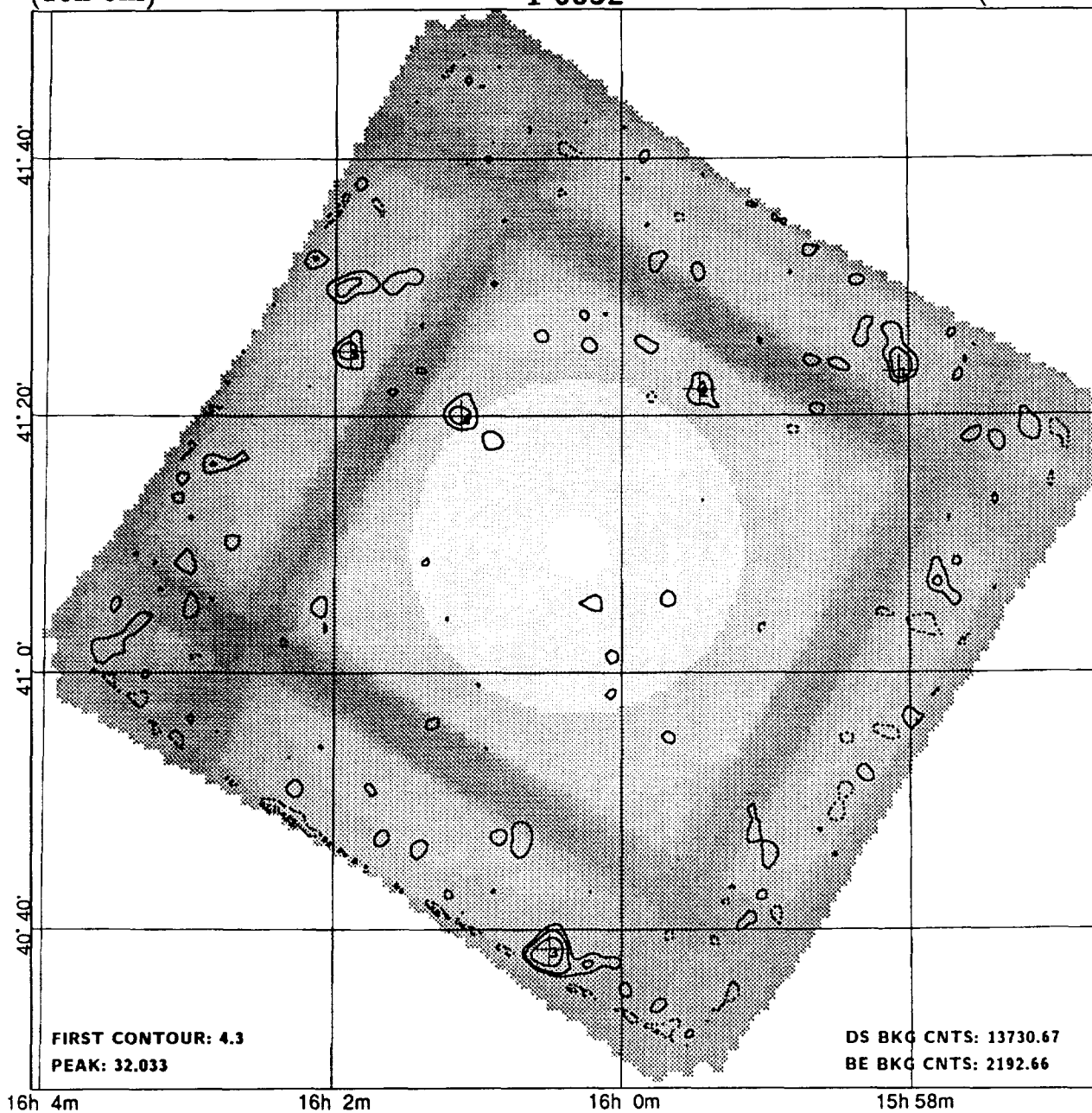
NH: $2.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3556	1	15 59 07.0	33 24 26	51	0.0222	0.0053	21.3	4.7	4.2	0.9	0	17.1	AH	S

(16h 0m)

I 6832

(16h 0m)



C1 1600+41, OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: $16^{\text{h}}00^{\text{m}}22.8^{\text{s}}$ $41^{\circ}09'42''$ (B1950)
 $16^{\text{h}}02^{\text{m}}05.9^{\text{s}}$ $41^{\circ}01'26''$ (J2000)
 $l: 65.23$ $b: 48.72$

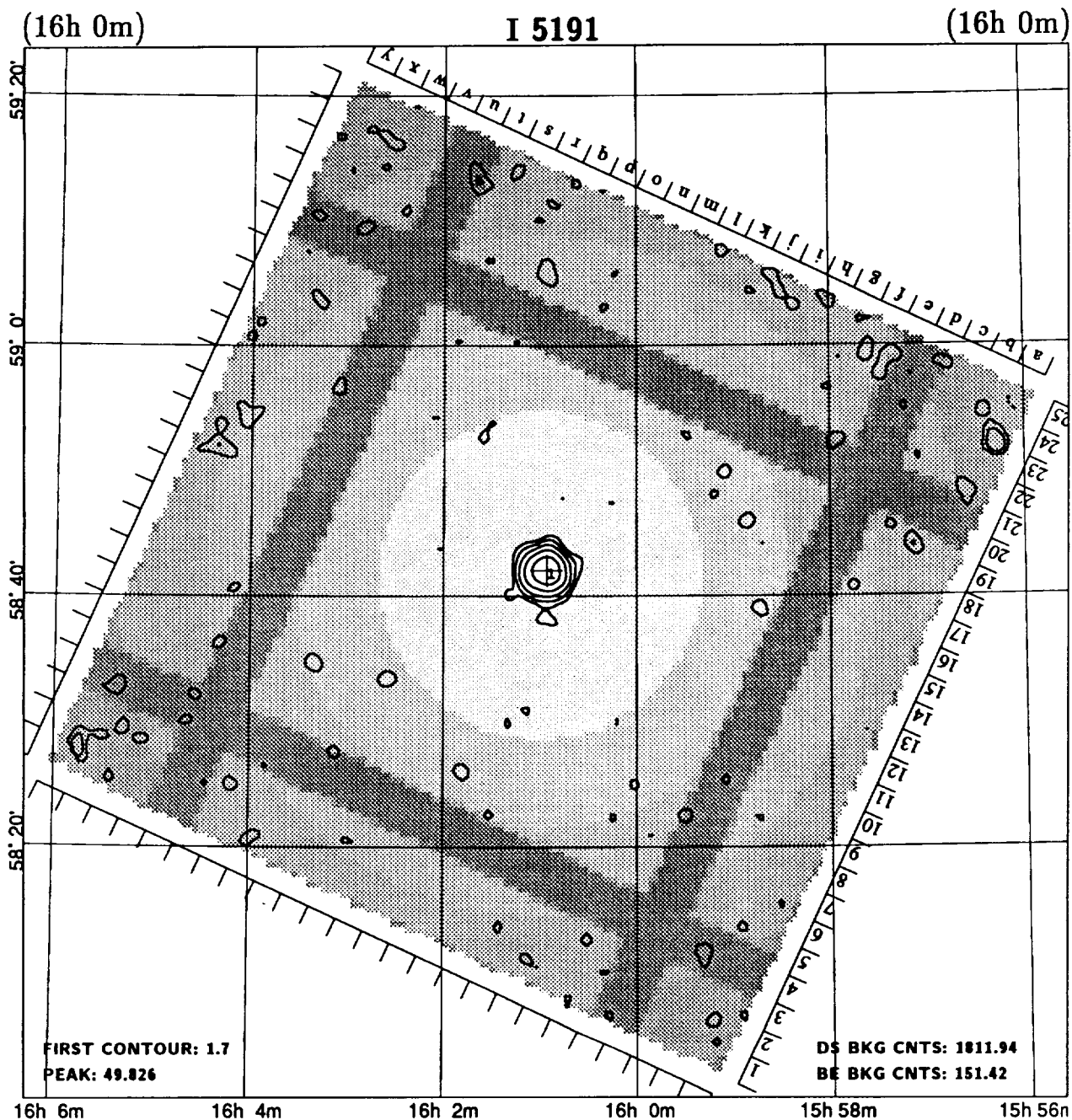
DATE: 1980/278 - 1980/278
 LIVETIME: 11126.3s

NH: $1.2\text{E}+20$

REF/ID:

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3548	1	15 58 04.0	41 23 28	56	0.0074	0.0018	30.4	24.6	4.1	1.0	100	29.8	H	
3560	2	15 59 27.2	41 22 05	55	0.0047	0.0012	30.6	30.4	3.9	0.6	0	16.5	H	
3567	3	16 00 30.0	40 38 27	51	0.0173	0.0026	62.9	27.1	6.6	1.2	200	31.1	H	
3571	4	16 01 07.2	41 19 58	42	0.0057	0.0012	39.0	32.0	4.6	0.7	0	13.3	H	
3574	5	16 01 53.9	41 25 03	55	0.0062	0.0015	31.5	28.5	4.1	0.8	0	23.0	H	



STAR THETA DRA, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $16^{\text{h}}00^{\text{m}}57.0^{\text{s}}$ $58^{\circ}42'02''$ (B1950)
 $16^{\text{h}}01^{\text{m}}55.5^{\text{s}}$ $58^{\circ}33'47''$ (J2000)
 ℓ : 90.18 b : 44.58

DATE: 1979/354 - 1979/354
 LIVETIME: 1468.3s
 ROLL ANGLE: -155.2°

NH: $1.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3570	1	16 00 55.8	58 42 04	31	0.198	0.014	216.8	5.2	14.5	1.3	0	0.2	H	S

(16h 1m)

I 3713

(16h 1m)



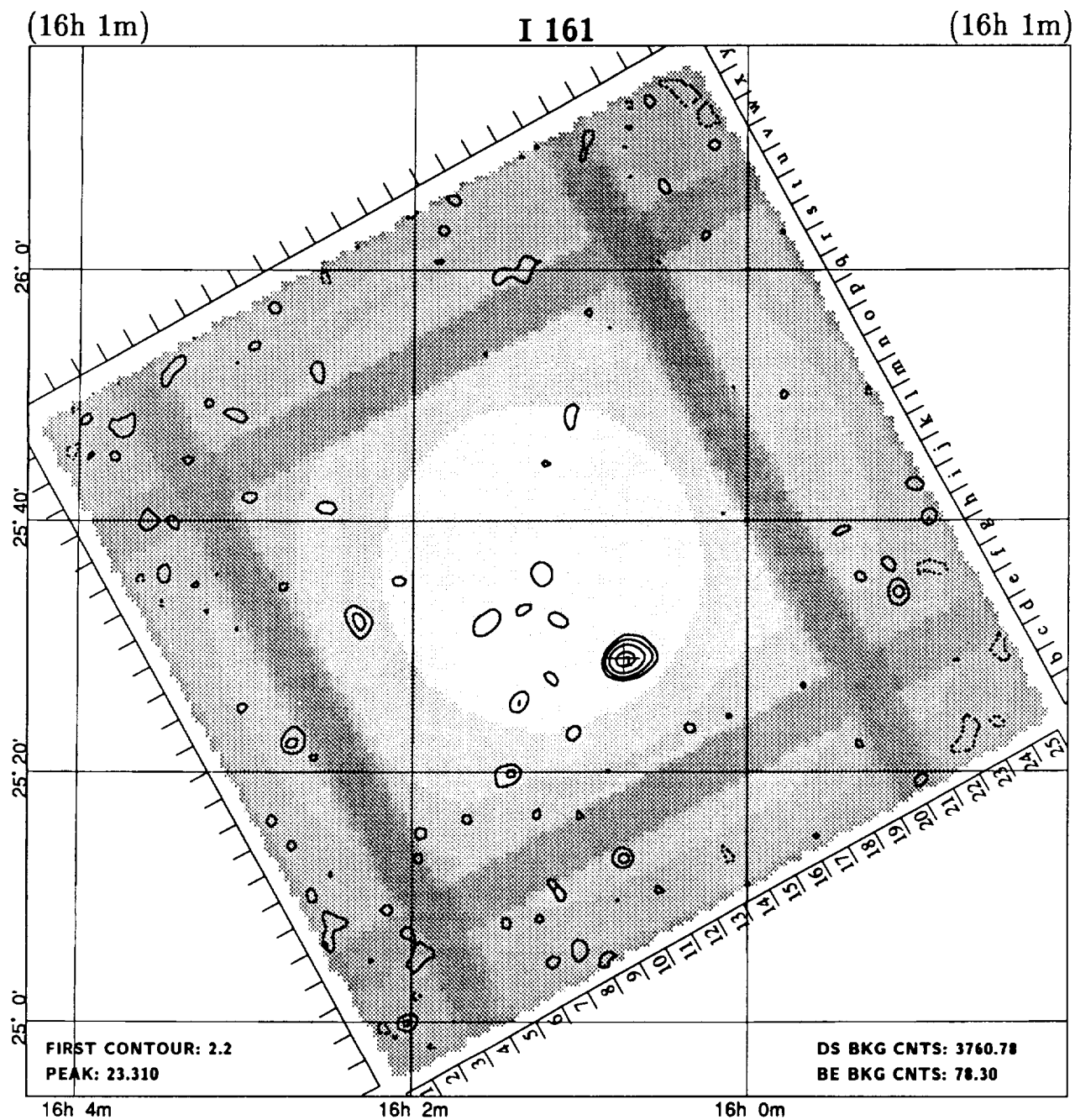
1601.0+1817, QUASAR SURVEY

FIELD CENTER: $16^{\text{h}}01^{\text{m}}00.0^{\text{s}}$ $18^{\circ}16'59''$ (B1950)
 $16^{\text{h}}03^{\text{m}}14.6^{\text{s}}$ $18^{\circ}08'46''$ (J2000)
 $l: 31.87$ $b: 45.11$

DATE: 1980/ 62 - 1980/223
LIVETIME: 17072.0s

NH: $3.4\text{E}+20$
REF/ID:
FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3554	1	15 59 00.7	18 16 58	58	0.0047	0.0013	29.9	39.1	3.6	1.0	0	28.1	H	
3561	2	15 59 43.5	18 33 46	50	*0.0093	0.0013	70.5	27.5	7.1	0.9	1609	24.7		
3562	3	15 59 47.0	17 53 07	51	0.0086	0.0016	51.0	41.0	5.3	1.1	400	29.2	H	
3577	4	16 02 20.5	17 51 55	47	*0.0576	0.0034	313.4	28.6	16.9	3.8	1409	31.6	AH	



A2148 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $16^{\text{h}}01^{\text{m}}12.0^{\text{s}}$ $25^{\circ}35'59''$ (B1950)
 $16^{\text{h}}03^{\text{m}}17.9^{\text{s}}$ $25^{\circ}27'47''$ (J2000)
 $l: 42.00$ $b: 47.23$

DATE: 1979/ 29 - 1979/ 30
 LIVETIME: 3047.5s
 ROLL ANGLE: -119.0°

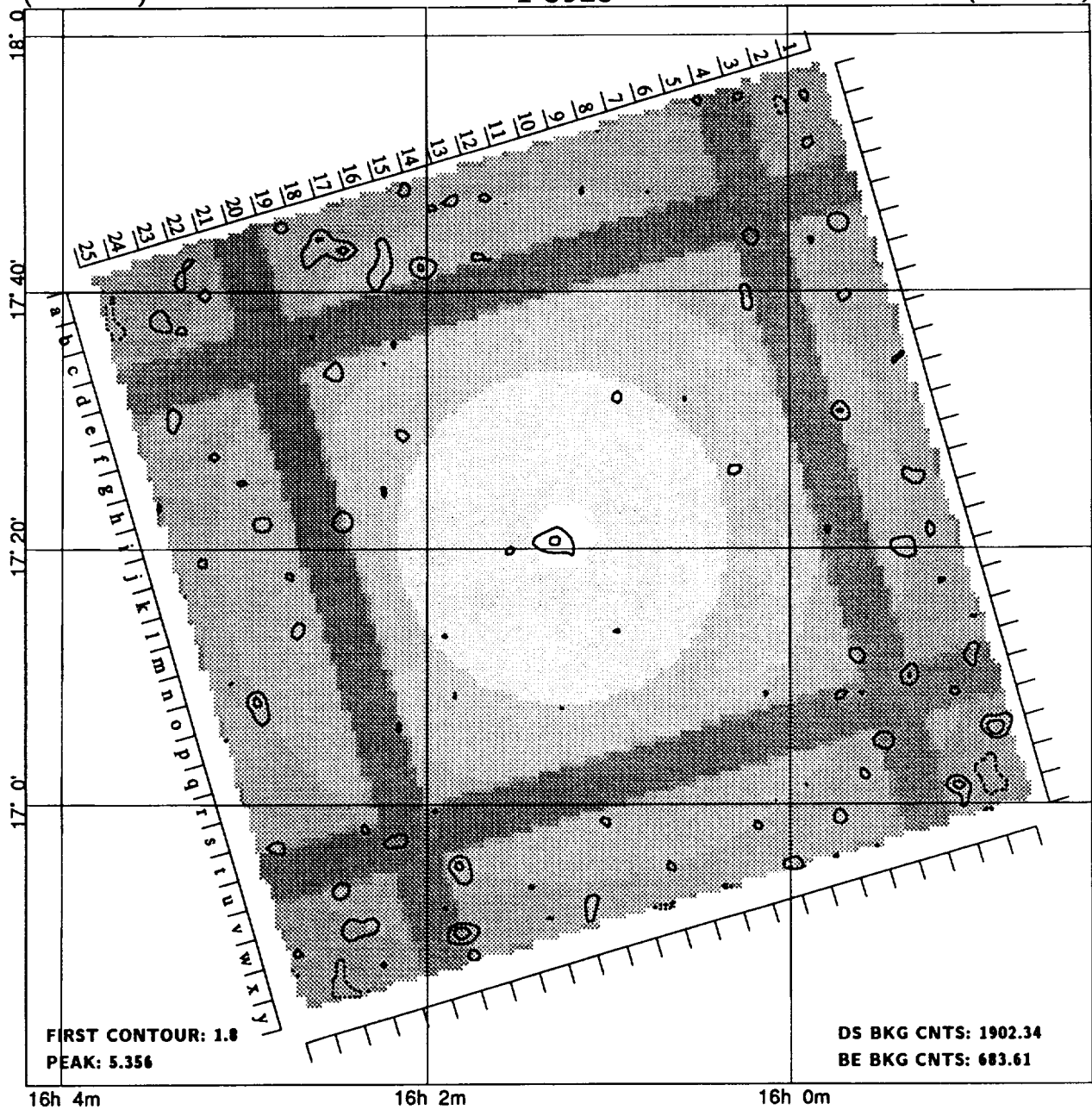
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3568	1	16 00 44.1	25 29 03	38	0.0402	0.0047	81.9	9.1	8.6	1.1	0	9.2	H	

(16h 1m)

I 3923

(16h 1m)



FIELD CENTER: $16^h 01^m 16.2^s$ $17^\circ 20' 11''$ (B1950)
 $16^h 03^m 31.8^s$ $17^\circ 11' 59''$ (J2000)
 $l: 30.66$ $b: 44.71$

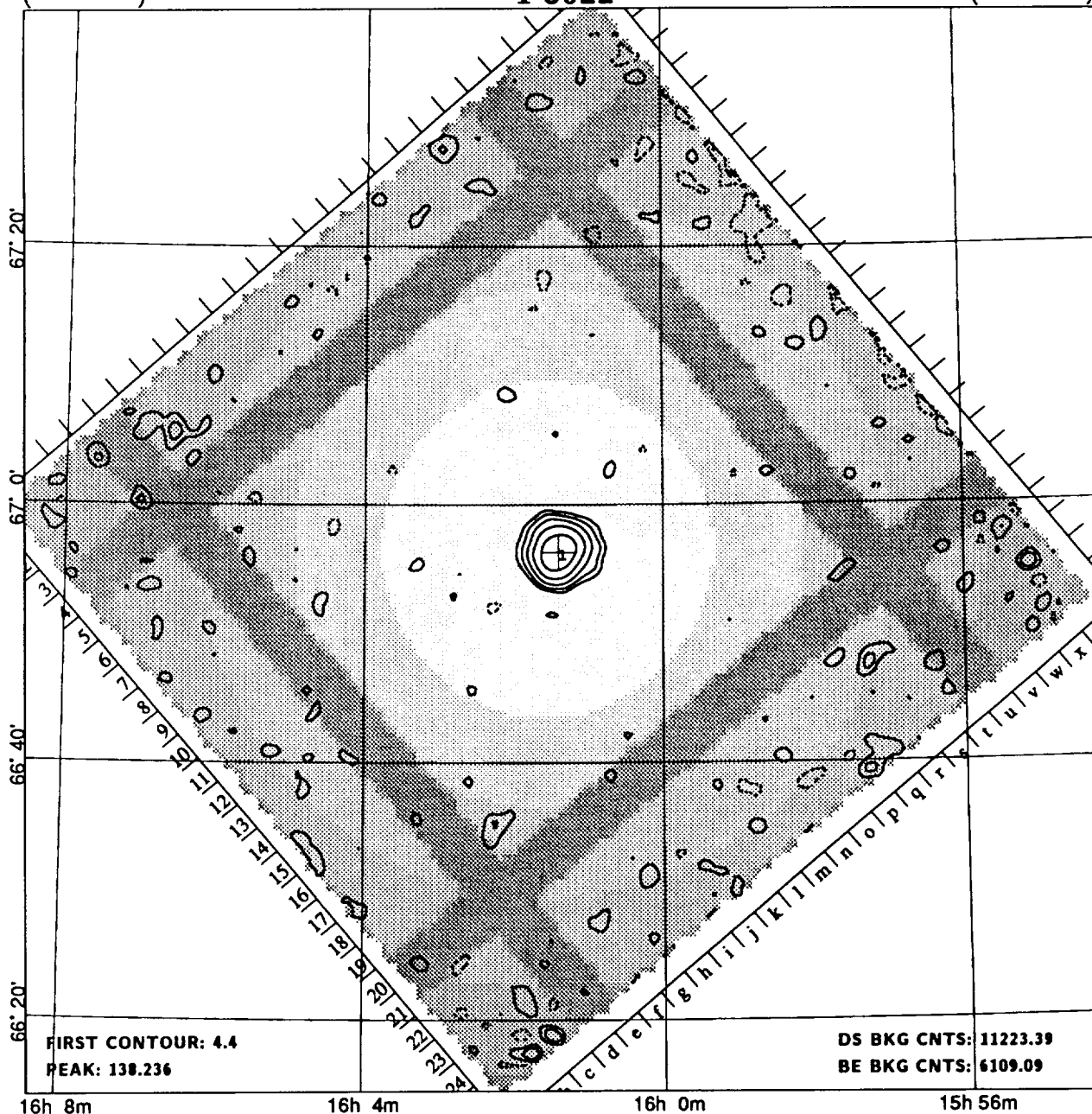
DATE: 1979/225 - 1979/225
 LIVETIME: 1541.5s
 ROLL ANGLE: 73.8°

NH: $3.4E+20$
 REF/ID: !
 FIELD FLAGS: L

(16h 1m)

I 5022

(16h 1m)



AG DRA, SYMBIOTIC STARS

FIELD CENTER: $16^{\text{h}}01^{\text{m}}24.0^{\text{s}}$ $66^{\circ}56'26''$ (B1950)
 $16^{\text{h}}01^{\text{m}}41.8^{\text{s}}$ $66^{\circ}48'11''$ (J2000)
 $l: 100.29$ $b: 40.97$

DATE: 1980/102 - 1980/102
 LIVETIME: 9094.6s
 ROLL ANGLE: -40.2°

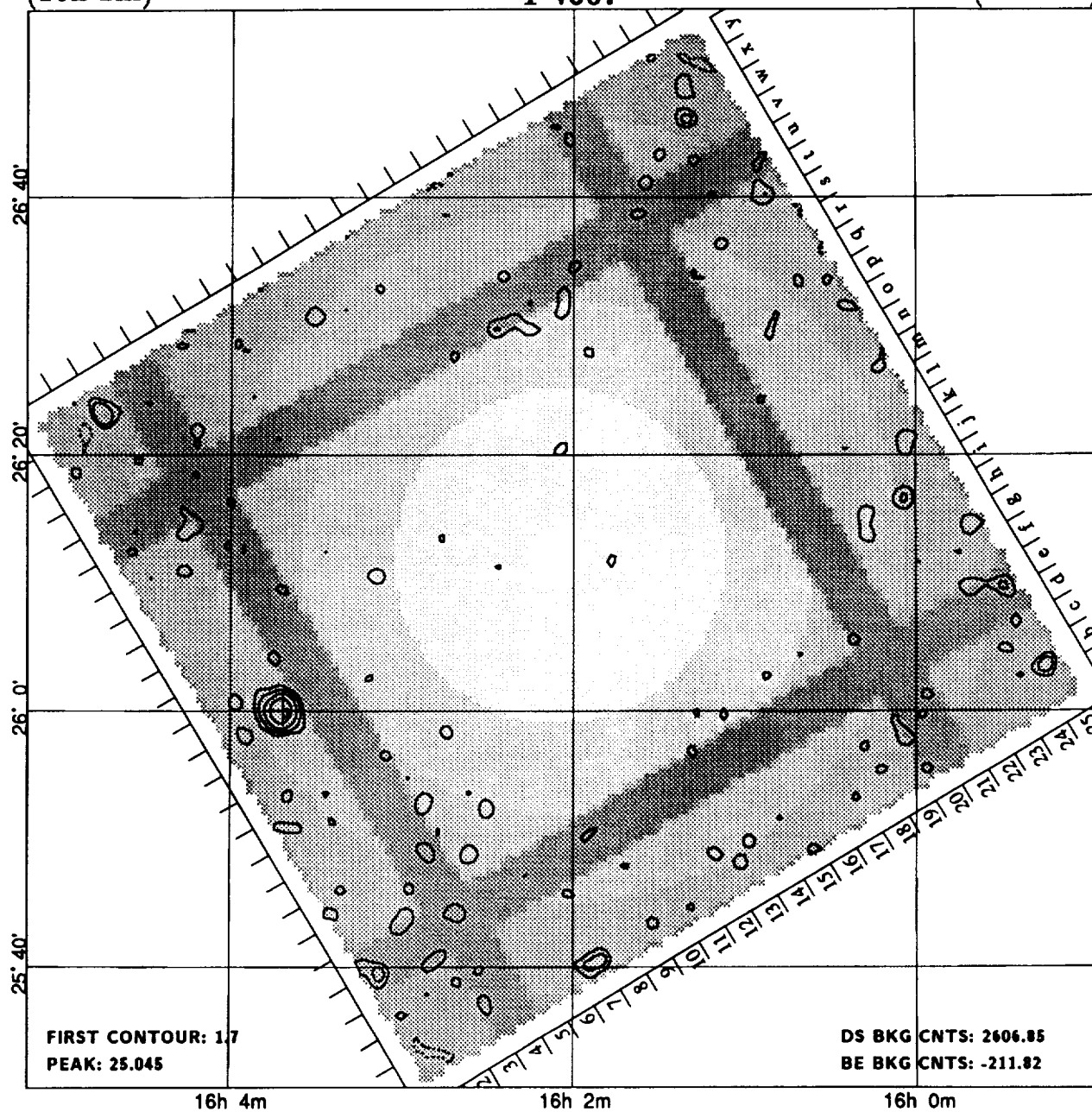
NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

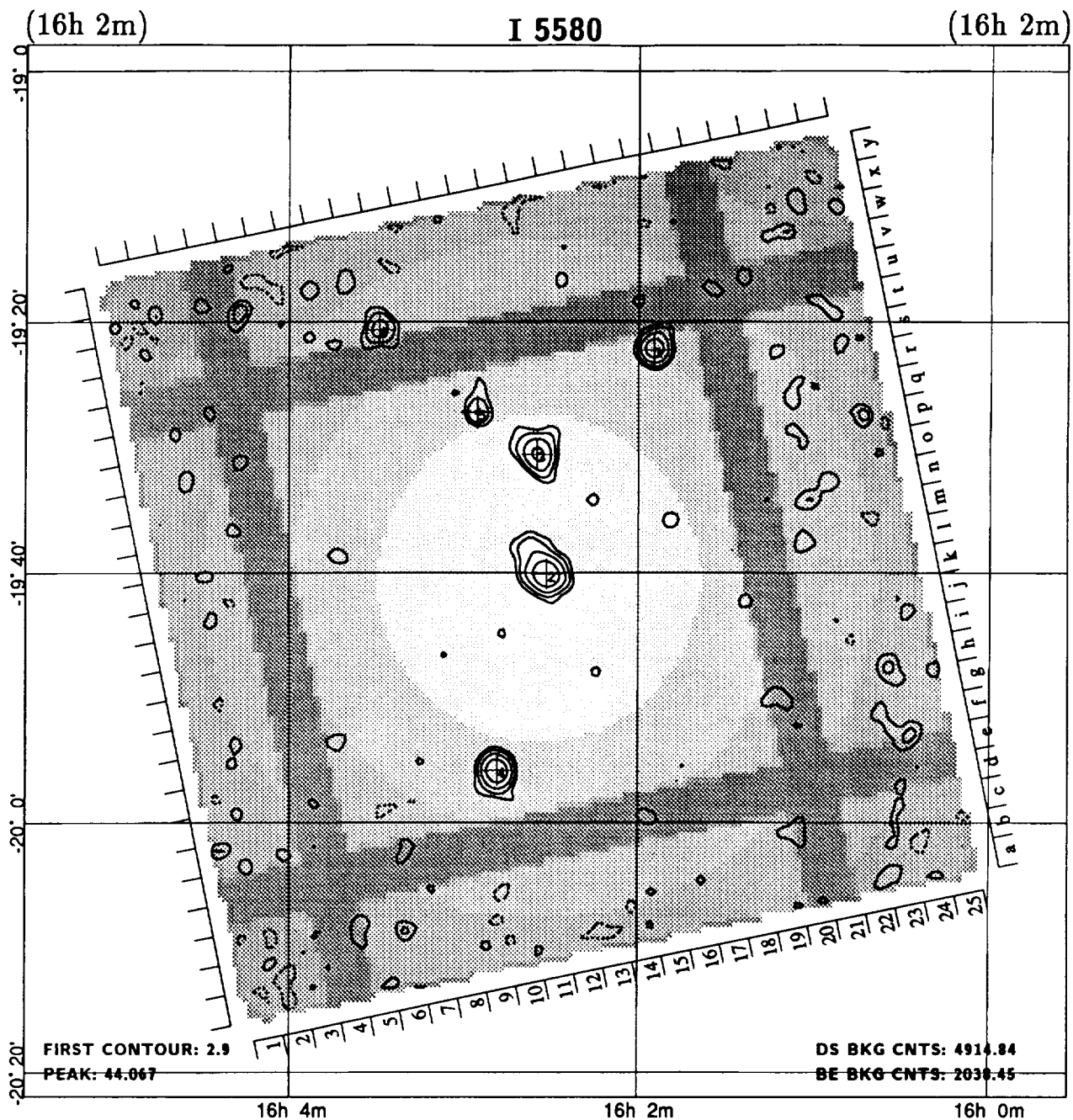
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3573	1	16 01 23.9	66 56 17	31	0.0995	0.0040	673.4	47.6	25.1	1.8	0	0.4	H	S

(16h 2m)

I 4607

(16h 2m)





Beta 1 SCO

FIELD CENTER: $16^h 02^m 31.9^s$ $-19^\circ 39' 59''$ (B1950)
 $16^h 05^m 26.6^s$ $-19^\circ 48' 05''$ (J2000)
 $l: 353.20$ $b: 23.60$

DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 3982.6s
 ROLL ANGLE: -101.6°

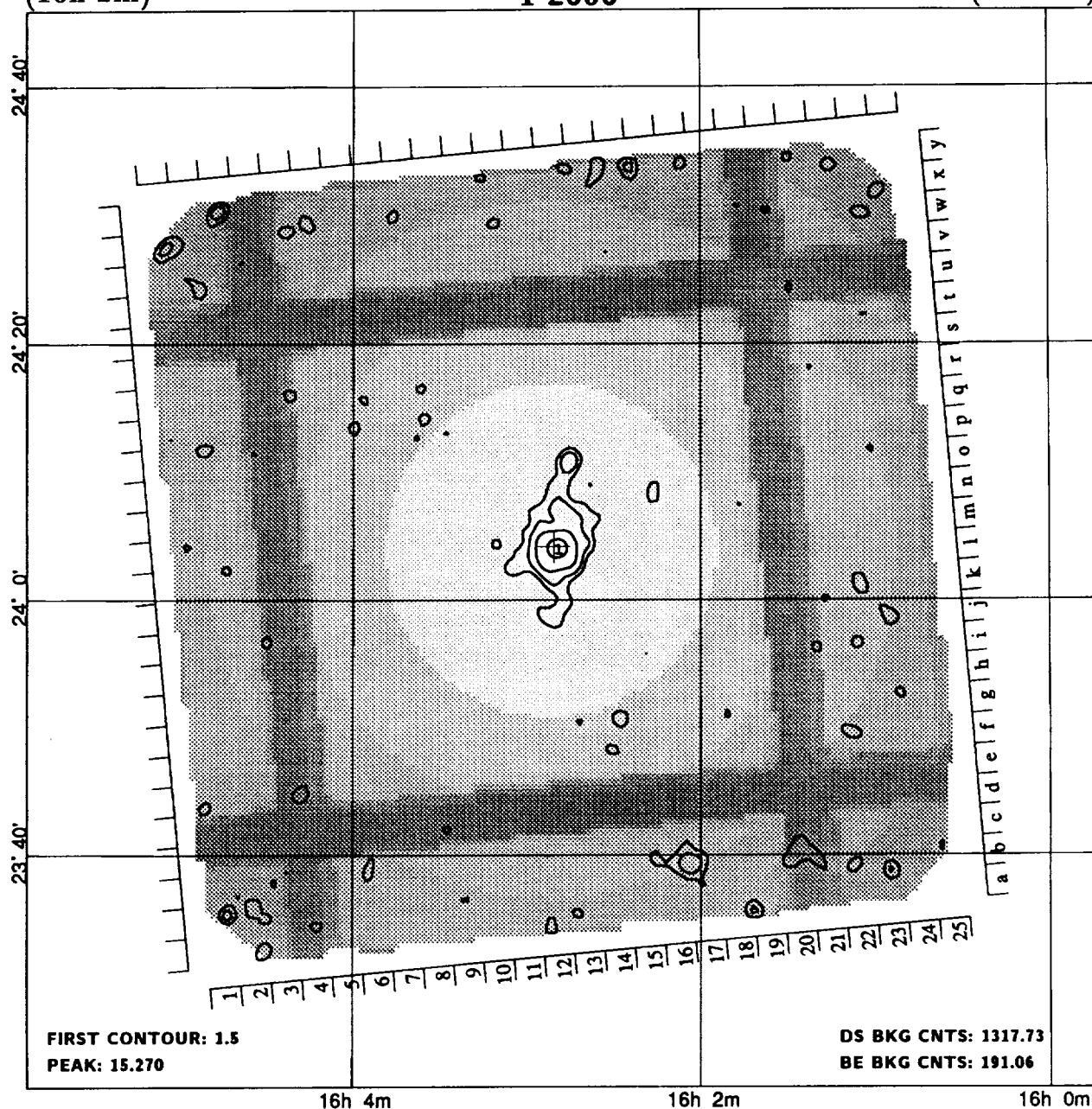
NH: $1.2E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3575	1L	16 01 54.7	-19 22 16	48	*0.0537	0.0062	107.5	2.8	8.4	0.9	601	19.7		
3578	2L	16 02 31.4	-19 40 05	31	0.0567	0.0055	168.1	31.9	10.2	1.3	0	0.1		
3579	3L	16 02 34.7	-19 30 34	38	0.0287	0.0046	76.2	29.8	6.2	1.1	0	9.3		
3580	4L	16 02 48.4	-19 55 48	48	0.0505	0.0057	117.0	16.0	8.8	1.0	0	16.2		
3582	5L	16 02 55.3	-19 27 15	41	0.0126	0.0034	30.3	15.7	3.6	0.8	0	14.0		
3586	6L	16 03 29.1	-19 20 39	51	*0.0217	0.0056	38.9	10.6	3.7	0.9	603	23.7		

(16h 2m)

I 2606

(16h 2m)



AWM 4: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: $16^{\text{h}}02^{\text{m}}47.9^{\text{s}}$ $24^{\circ}03'59''$ (B1950)
 $16^{\text{h}}04^{\text{m}}55.6^{\text{s}}$ $23^{\circ}55'53''$ (J2000)
 $l: 39.95$ $b: 46.50$

DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 1067.8s
 ROLL ANGLE: -95.2°

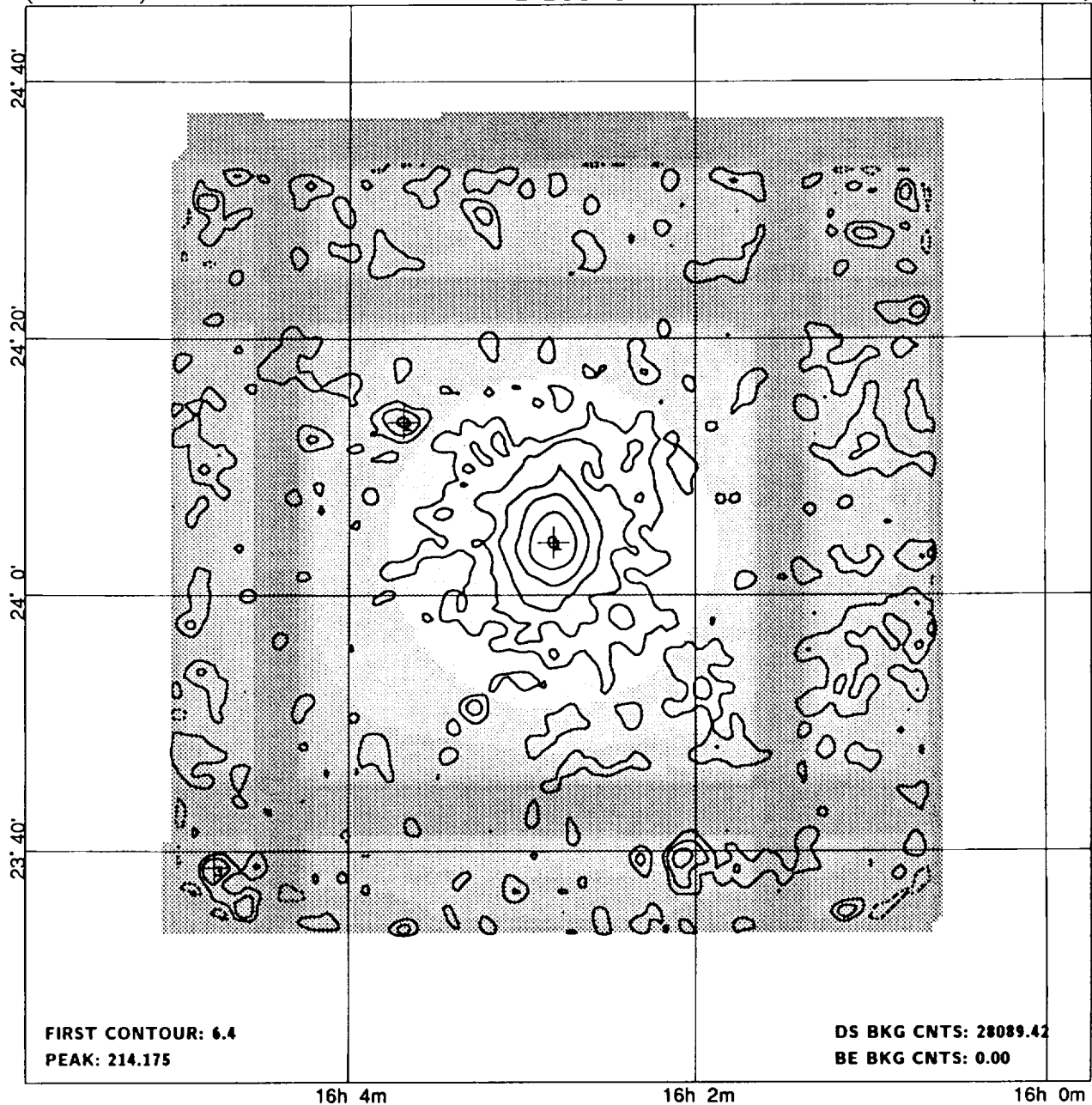
NH: $4.9\text{E}+20$
 REF/ID: !
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID CLG
3581	1	16 02 50.6	24 04 08	34	0.081	0.010	64.3	3.7	7.8	2.5	0	1.0	AH	CLG

(16h 2m)

I 10543

(16h 2m)



AWM4 CD POOR CLUSTER

FIELD CENTER: $16^{\text{h}}02^{\text{m}}47.9^{\text{s}}$ $24^{\circ}03'59''$ (B1950)
 $16^{\text{h}}04^{\text{m}}55.6^{\text{s}}$ $23^{\circ}55'53''$ (J2000)
 $l: 39.95$ $b: 46.50$

DATE: 1981/ 63 - 1981/ 64
LIVETIME: 22761.6s

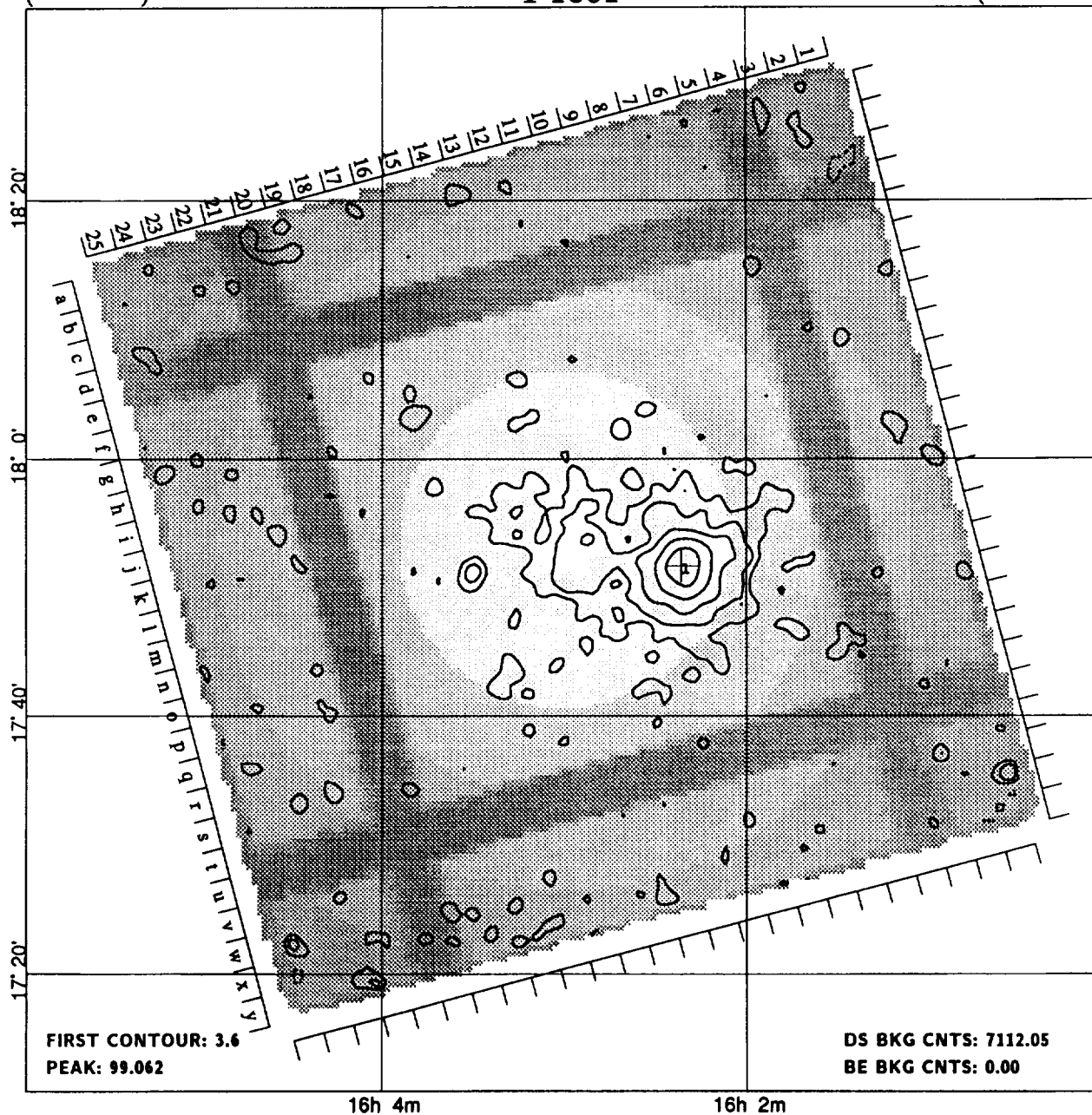
NH: 4.9E+20
REF/ID:
FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3581	1L	16 02 49.1	24 04 07	31	0.0297	0.0025	505.2	654.8	11.8	5.0	0	0.4	A	CLG
3588	2L	16 03 41.2	24 13 31	50	0.0050	0.0011	67.1	74.9	4.5	1.1	0	15.4		
3591	3L	16 04 46.3	23 38 44	55	0.0083	0.0019	45.2	29.8	4.2	1.9	0	37.0		

(16h 3m)

I 1801

(16h 3m)



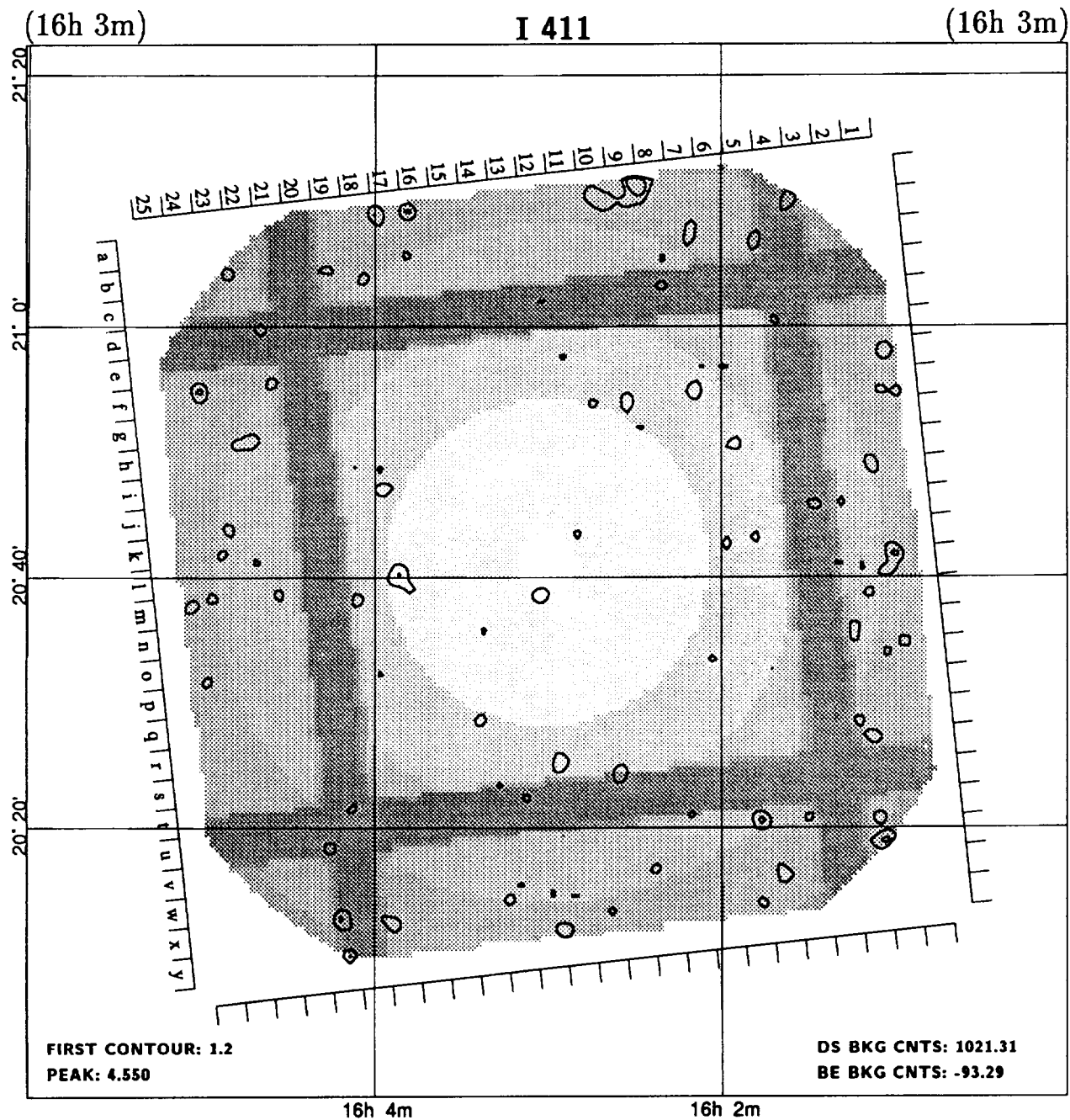
A2151: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: $16^{\text{h}}03^{\text{m}}00.0^{\text{s}}$ $17^{\circ}52'59''$ (B1950)
 $16^{\text{h}}05^{\text{m}}15.0^{\text{s}}$ $17^{\circ}44'54''$ (J2000)
 ℓ : 31.59 b : 44.52

DATE: 1979/227 - 1979/229
 LIVETIME: 5763.1s
 ROLL ANGLE: 75.2°

NH: $3.4\text{E}+20$
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3577	1L	16 02 21.4	17 51 45	38	0.0628	0.0066	243.8	201.2	9.4	4.1	0	9.2	A	



NGC 6052 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $16^{\text{h}}03^{\text{m}}00.9^{\text{s}}$ $20^{\circ}40'29''$ (B1950)
 $16^{\text{h}}05^{\text{m}}12.7^{\text{s}}$ $20^{\circ}32'24''$ (J2000)
 $l: 35.30$ $b: 45.47$

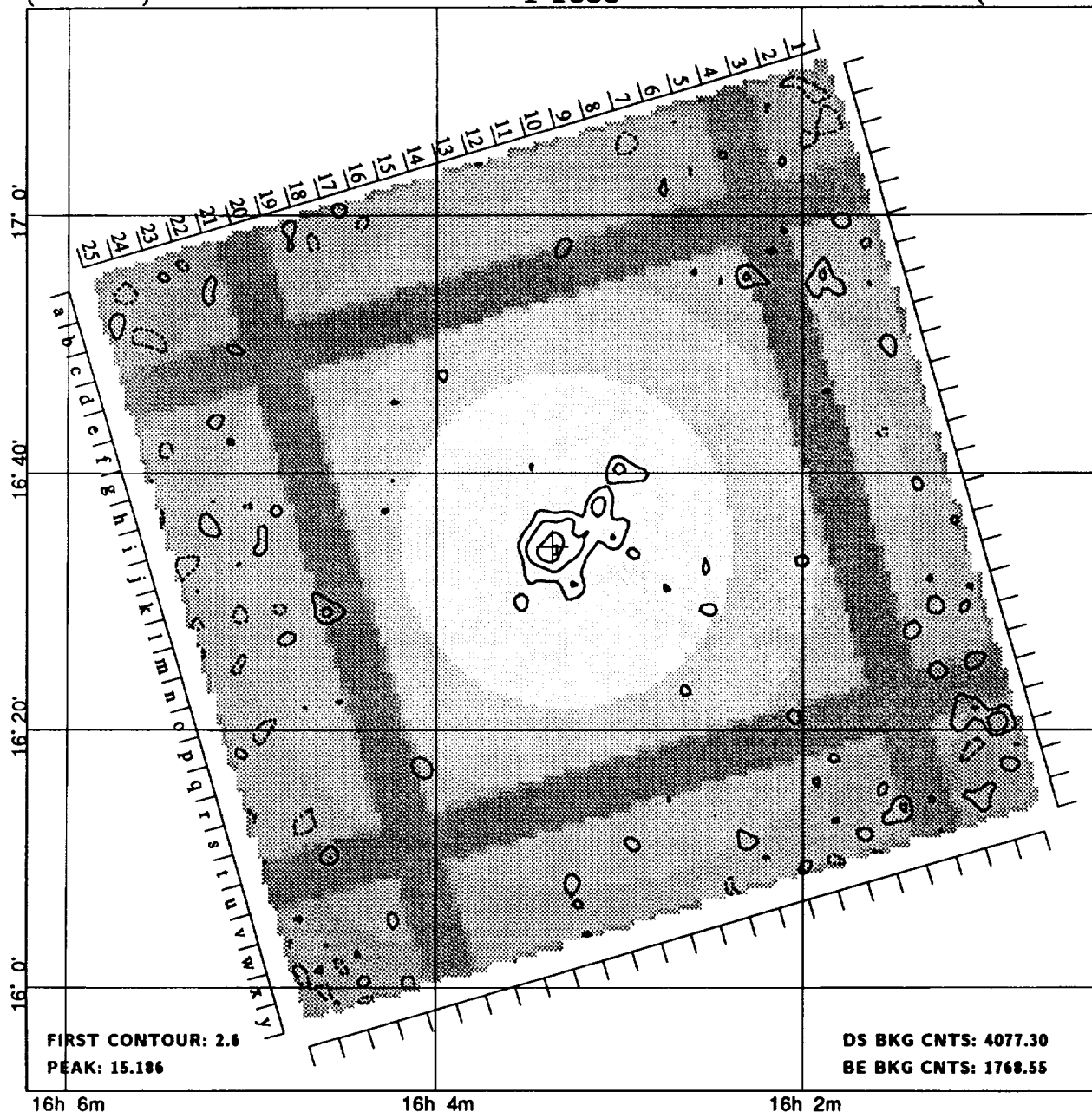
DATE: 1979/242 - 1979/242
 LIVETIME: 827.6s
 ROLL ANGLE: 83.9°

NH: $3.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 3m)

I 1855

(16h 3m)



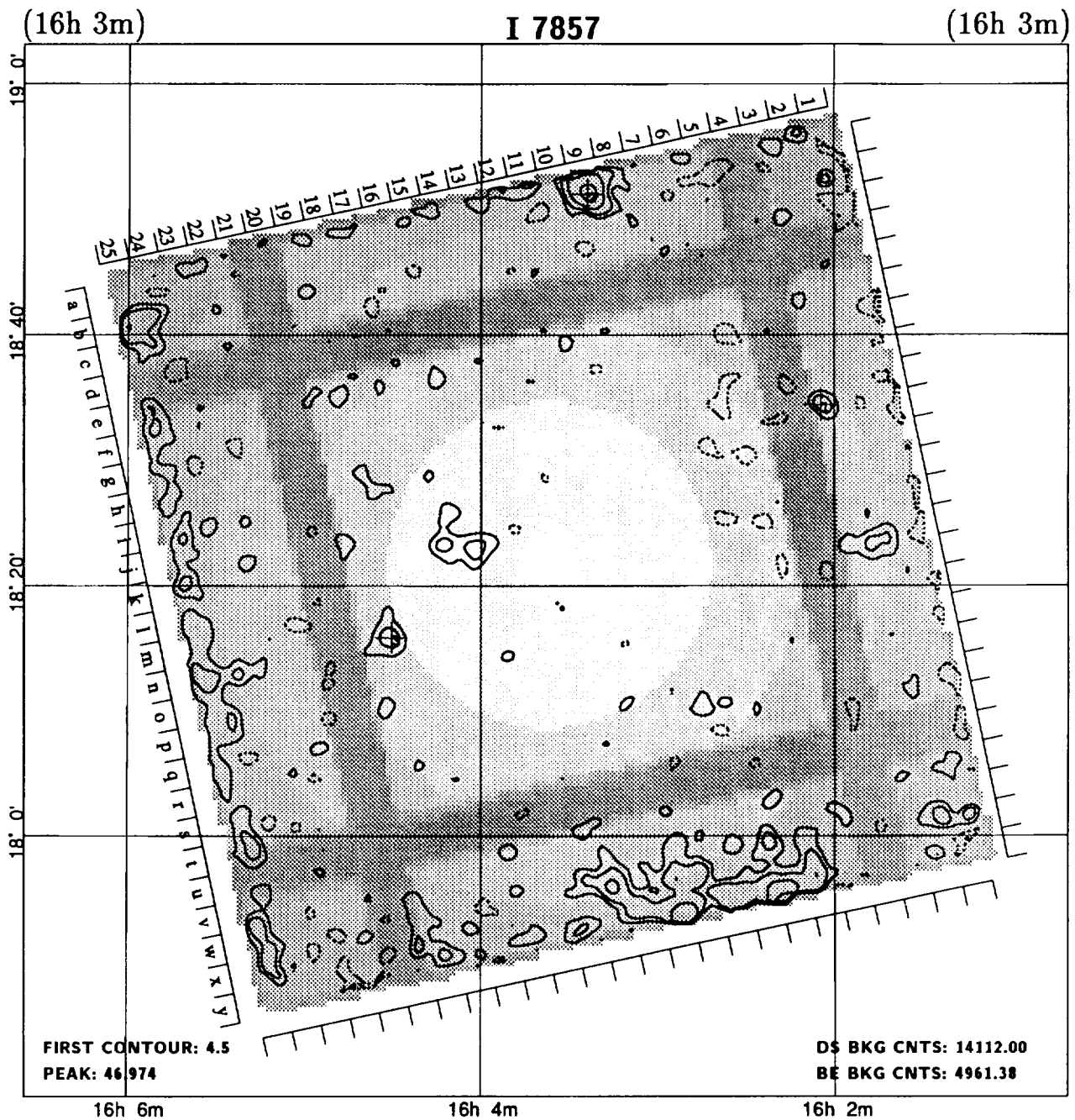
A2152: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $16^{\text{h}}03^{\text{m}}18.0^{\text{s}}$ $16^{\circ}34'01''$ (B1950)
 $16^{\text{h}}05^{\text{m}}34.4^{\text{s}}$ $16^{\circ}25'56''$ (J2000)
 $l: 29.92$ $b: 43.97$

DATE: 1979/226 - 1979/226
 LIVETIME: 3304.0s
 ROLL ANGLE: 73.8°

NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3583	1L	16 03 22.0	16 34 18	35	0.0178	0.0047	43.6	43.4	3.7	2.5	0	1.0		CLG



ABELL 2151, IRREG CLUSTERS OF GALAXIES NOT YET IN DYNAMICAL EQ

FIELD CENTER: $16^h 03^m 38.3^s$ $18^\circ 21' 15''$ (B1950)
 $16^h 05^m 52.7^s$ $18^\circ 13' 12''$ (J2000)
 $l: 32.28$ $b: 44.55$

DATE: 1980/233 - 1980/233
 LIVETIME: 11435.4s
 ROLL ANGLE: 77.9°

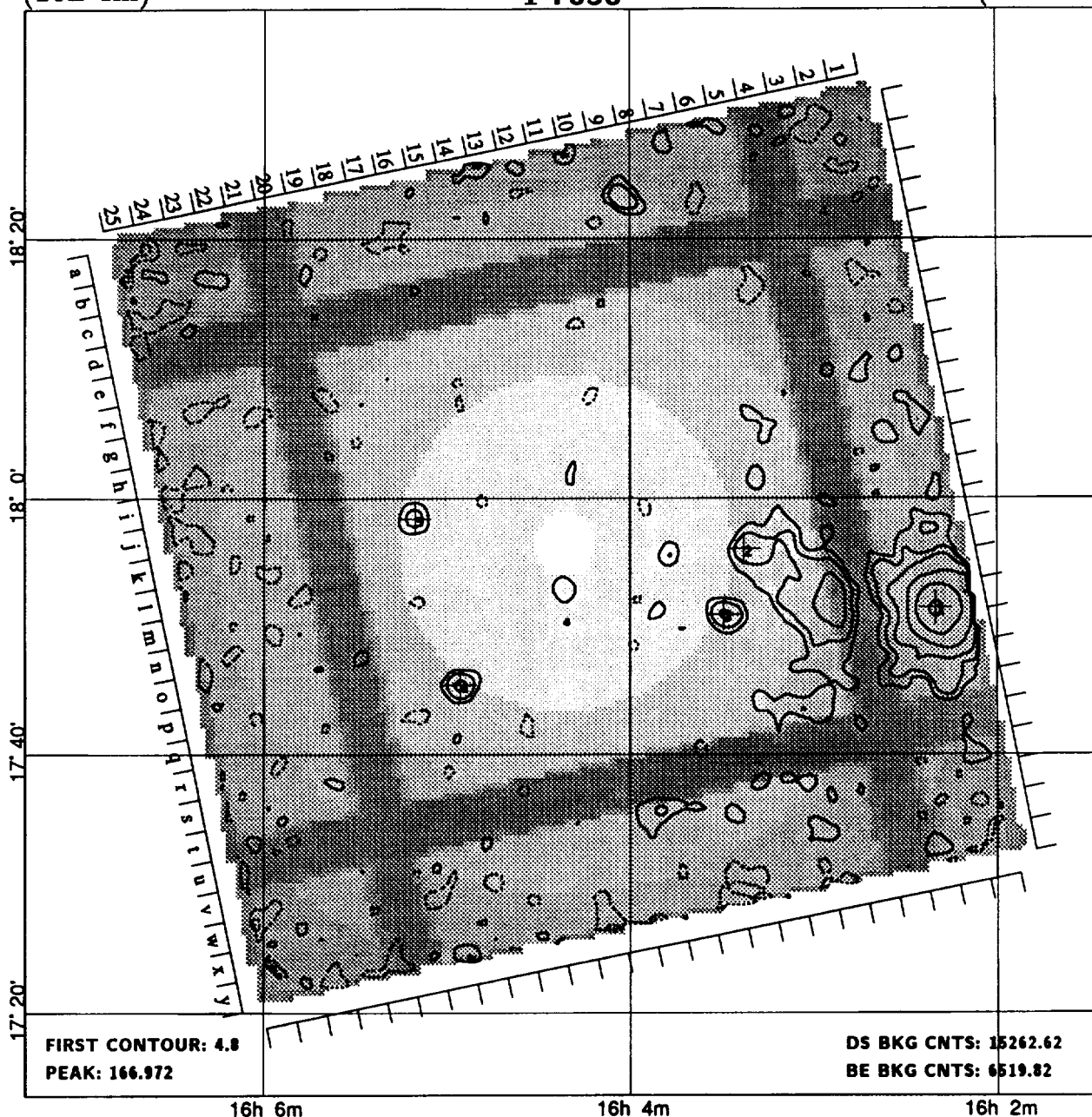
NH: $3.5E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3576	1L	16 02 04.5	18 34 26	57	*0.0089	0.0023	43.2	16.8	3.6	0.7	703	25.9	
3585	2L	16 03 23.7	18 51 12	50	0.0190	0.0033	76.9	44.1	5.6	1.3	100	30.0	
3590	3L	16 04 30.4	18 15 56	43	0.0061	0.0016	42.3	35.7	3.8	1.0	0	13.5	

(16h 4m)

I 7858

(16h 4m)



ABELL 2151, IRREG CLUSTERS OF GALAXIES NOT YET IN DYNAMICAL EQ

FIELD CENTER: $16^{\text{h}}04^{\text{m}}21.5^{\text{s}}$ $17^{\circ}55'44''$ (B1950)
 $16^{\text{h}}06^{\text{m}}36.3^{\text{s}}$ $17^{\circ}47'44''$ (J2000)
 $l: 31.81$ $b: 44.24$

DATE: 1980/234 - 1980/234
 LIVETIME: 12367.7s
 ROLL ANGLE: 78.5°

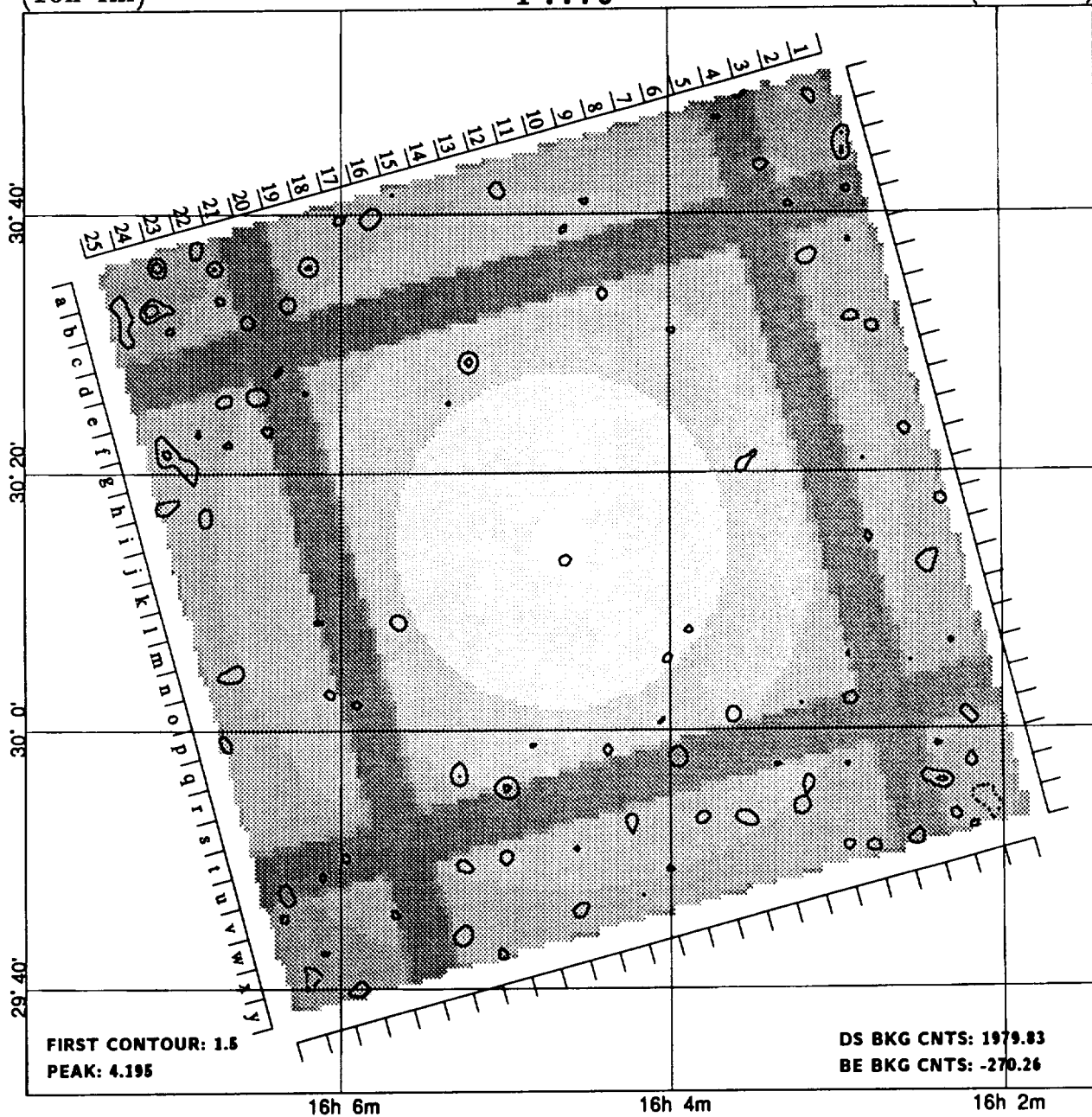
NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3577	1L	16 02 20.1	17 51 31	47	0.0405	0.0057	181.7	241.3	7.0	2.9	0	29.1	A	
3584	2L	16 03 22.8	17 56 02	41	0.0066	0.0017	49.6	60.4	3.7	9.5	0	14.0		
3587	3L	16 03 29.4	17 50 59	41	0.0081	0.0017	61.8	52.2	4.6	0.8	0	13.4		
3594	4L	16 04 55.9	17 45 27	41	0.0085	0.0017	64.1	50.9	4.8	0.8	0	13.1		
3595	5L	16 05 10.6	17 58 22	42	0.0054	0.0015	42.5	47.5	3.5	0.7	0	12.0		

(16h 4m)

I 7776

(16h 4m)



FIELD CENTER: $16^{\text{h}}04^{\text{m}}40.5^{\text{s}}$ $30^{\circ}13'57''$ (B1950)
 $16^{\text{h}}06^{\text{m}}40.1^{\text{s}}$ $30^{\circ}05'58''$ (J2000)
 $l: 48.92$ $b: 47.37$

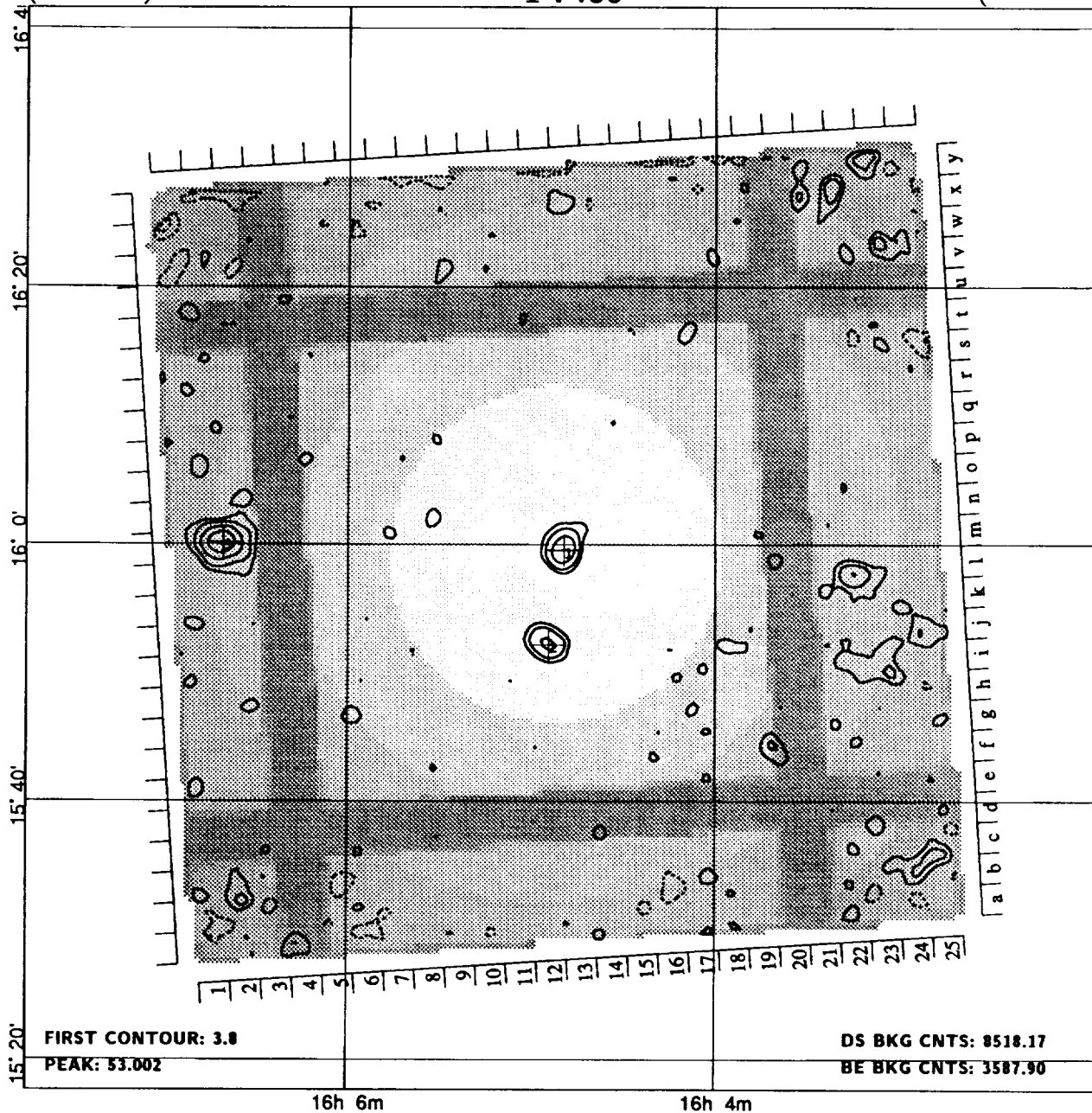
DATE: 1980/228 - 1980/228
 LIVETIME: 1604.3s
 ROLL ANGLE: 75.0°

NH: $2.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 4m)

I 7480

(16h 4m)



1604+159, EMISSION FROM HIGHLY POLARIZED BL LAC OBJECTS

FIELD CENTER: $16^h 04^m 49.5^s$ $15^\circ 59' 37''$ (B1950)
 $16^h 07^m 06.5^s$ $15^\circ 51' 39''$ (J2000)
 $l: 29.38$ $b: 43.41$

DATE: 1980/ 62 - 1980/ 62

NH: $3.4E+20$

LIVETIME: 6902.5s

REF/ID:

ROLL ANGLE: -93.7°

FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3592	1L	16 04 49.4	15 59 33	31	0.0208 0.0027	107.0	32.0	7.7	1.0	0	0.1		
3593	2L	16 04 54.4	15 52 12	41	0.0123 0.0025	59.1	38.9	4.8	0.9	0	7.4		AGN
3599	3L	16 06 40.4	16 00 09	48	0.0354 0.0047	100.7	31.3	7.4	1.2	0	26.6		

(16h 5m)

I 787

(16h 5m)

G3
J
90

(NASA TM-108401-Vol-6E) THE EINSTEIN OBSERVATORY CATALOG OF IPC X
RAY SOURCES VOLUME 6E: RIGHT ASCENSION D. E. Harris (Smithsonian
Astrophysical Observatory, Cambridge, MA.) et al NASA Apr. 1993 834 p
NAS 1.15:108401-Vol-6E

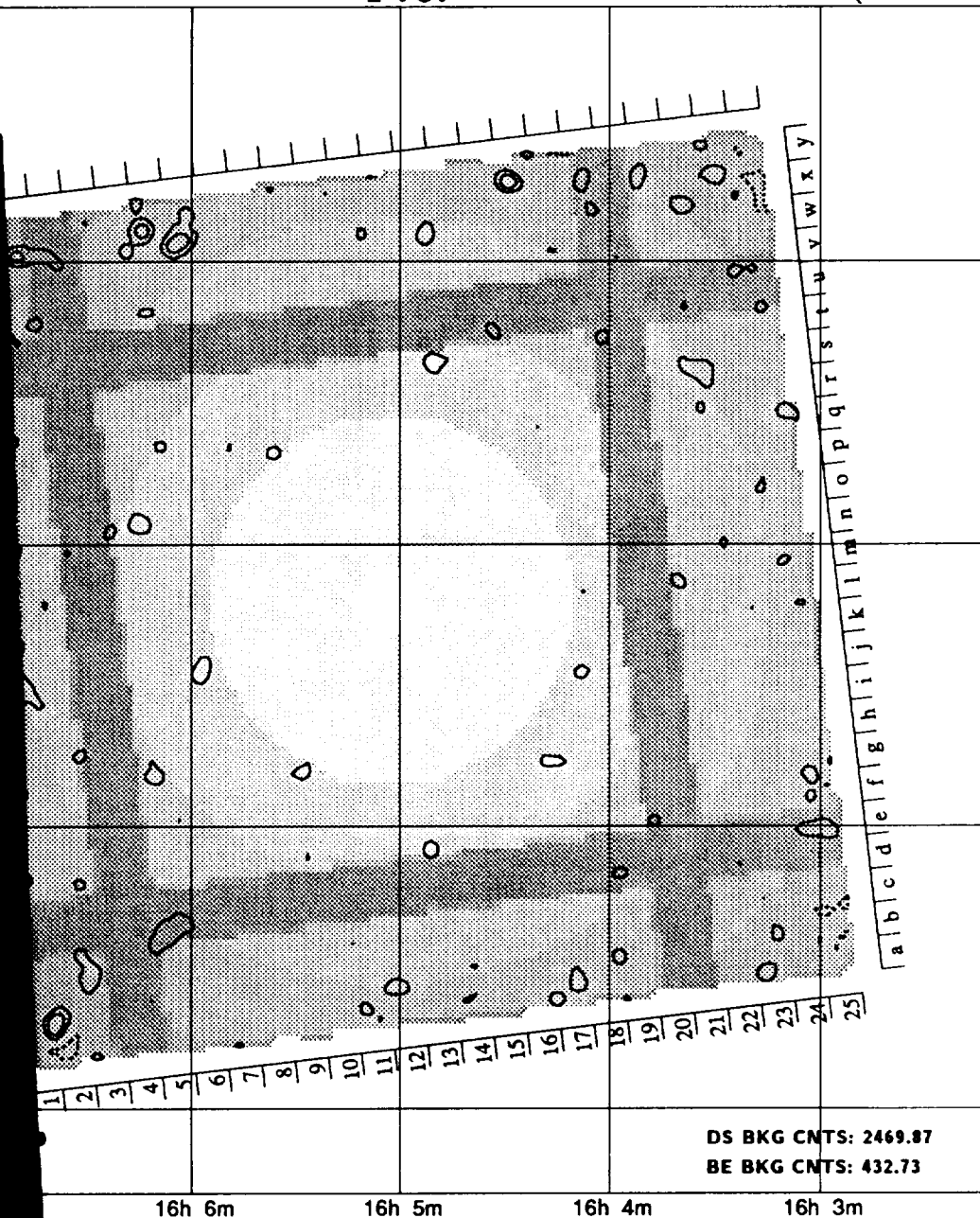
N94-18615

Unclass

G3
J
90

N94-18615

Unclass



DS BKG CNTS: 2469.87
BE BKG CNTS: 432.73

PSR 1604-00 RADIO PULSARS, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $16^h 05^m 00.0^s -00^\circ 23' 59''$ (B1950)
 $16^h 07^m 34.2^s -00^\circ 31' 57''$ (J2000)
 $\ell: 10.79 \quad b: 35.40$

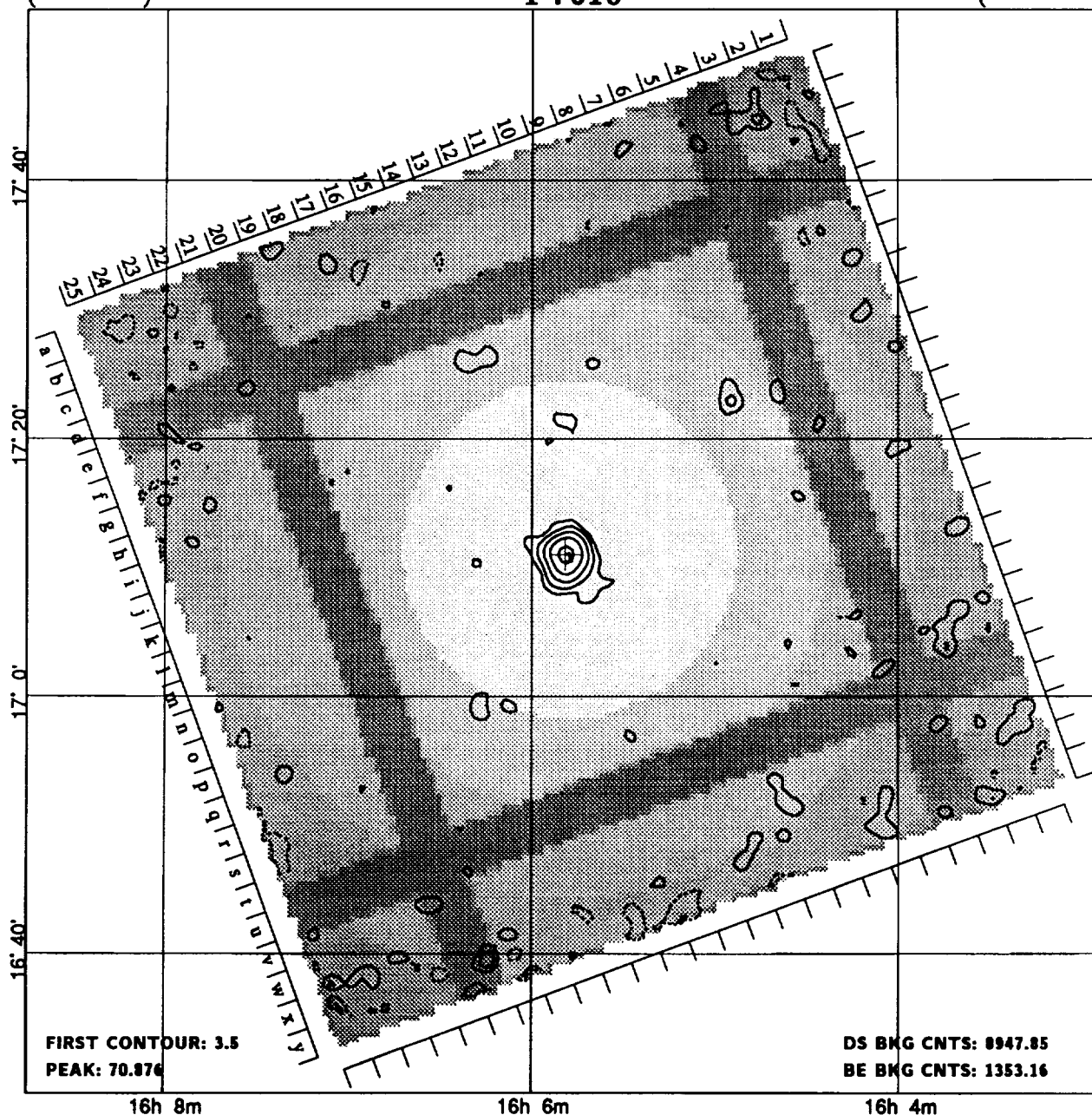
DATE: 1980/ 64 - 1980/ 64
LIVETIME: 2001.4s
ROLL ANGLE: -96.7°

NH: $7.8E+20$
REF/ID:
FIELD FLAGS:

(16h 5m)

I 7610

(16h 5m)



7 HER, SELECTED LATE-TYPE STARS W/CHROMOSPHERIC ACTIVITY

FIELD CENTER: $16^{\text{h}}05^{\text{m}}49.3^{\text{s}}$ $17^{\circ}11'11''$ (B1950)
 $16^{\text{h}}08^{\text{m}}04.9^{\text{s}}$ $17^{\circ}03'17''$ (J2000)
 $l: 31.03$ $b: 43.64$

DATE: 1980/220 - 1980/220

NH: $3.5\text{E}+20$

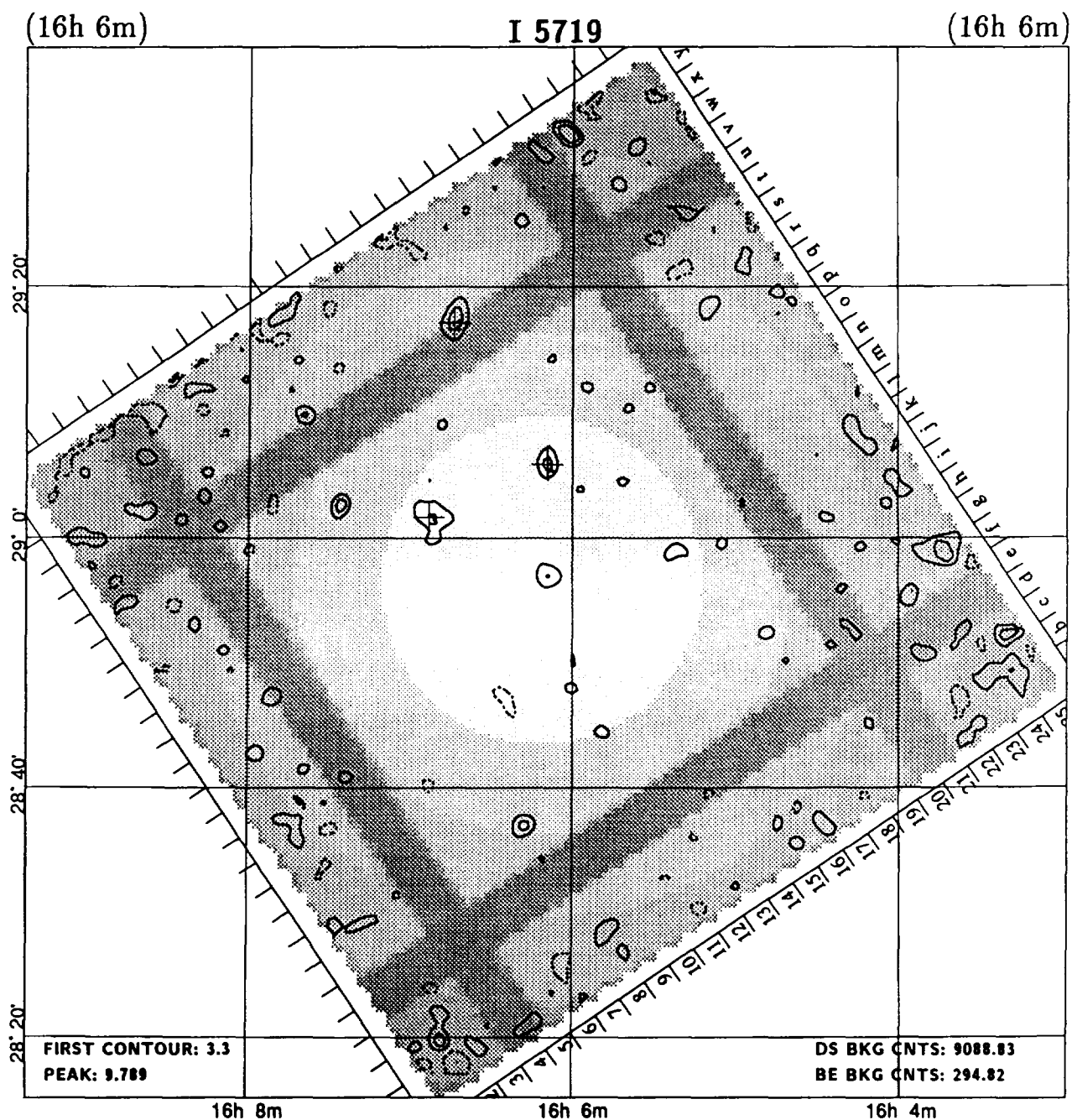
LIVETIME: 7250.7s

REF/ID:

ROLL ANGLE: 69.9°

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3596	1	16 05 49.1	17 11 03	31	0.0534	0.0033	288.4	26.6	16.3	1.4	0	0.2	H	



MEDIUM DEPTH SURVEY: 4C28.4

FIELD CENTER: $16^h 06^m 10.0^s$ $28^\circ 57' 10''$ (B1950)
 $16^h 08^m 11.3^s$ $28^\circ 49' 17''$ (J2000)
 ℓ : 47.14 b : 46.84

DATE: 1980/ 19 - 1980/ 19
 LIVETIME: 7365.0s
 ROLL ANGLE: -123.8°

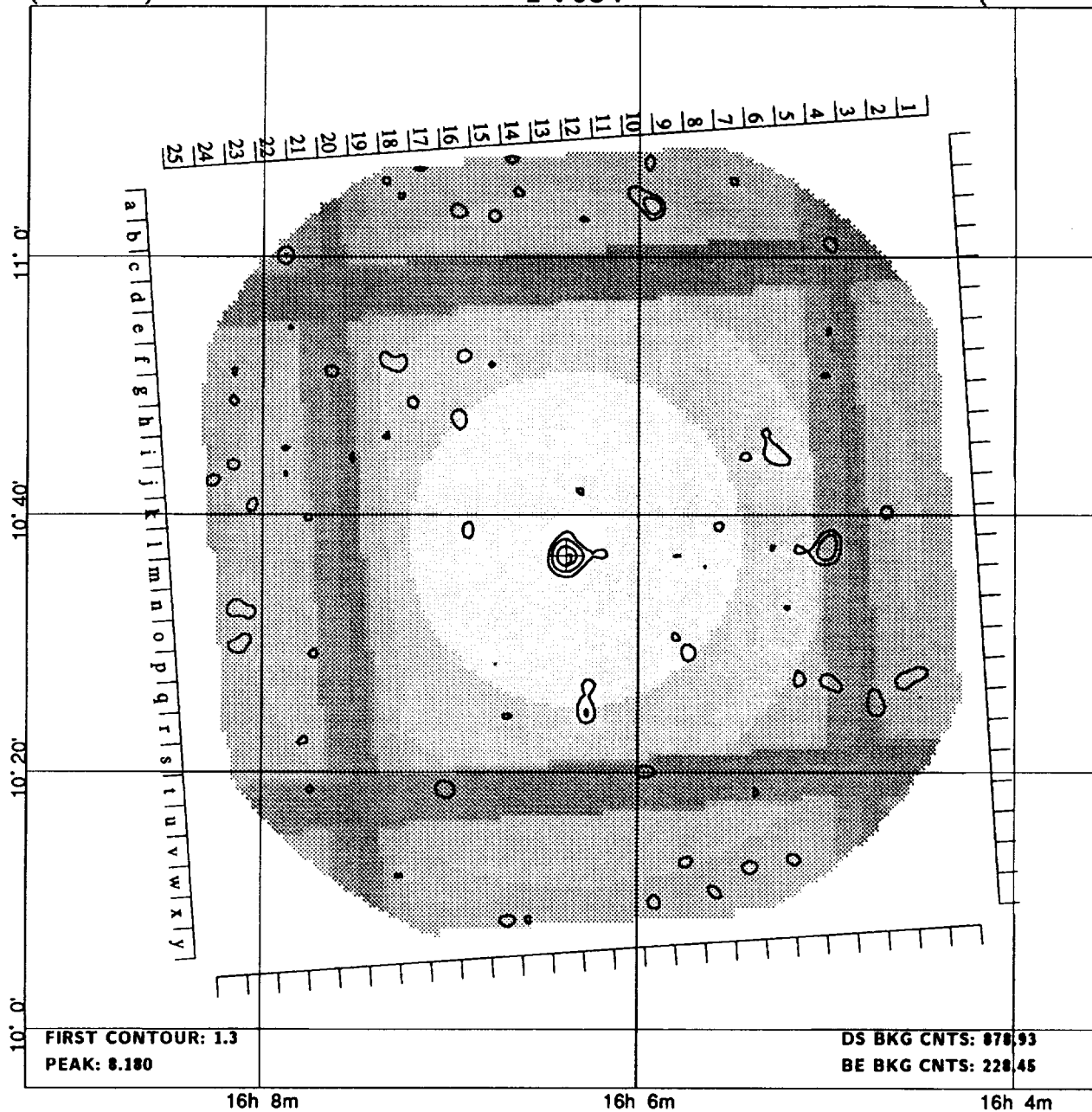
NH: $3.3E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3597	1	16 06 09.4	29 05 52	43	0.0051	0.0014	25.3	20.7	3.7	0.6	0	8.7	
3600	2	16 06 44.2	29 17 09	58	*0.0060	0.0016	21.3	10.7	3.8	0.8	804	21.5	H
3601	3	16 06 53.2	29 01 40	47	0.0054	0.0014	26.1	21.9	3.8	0.9	0	10.3	H

(16h 6m)

I 7634

(16h 6m)



1606+10, LOW FREQUENCY VARIABLES

FIELD CENTER: $16^{\text{h}}06^{\text{m}}23.7^{\text{s}}$ $10^{\circ}37'22''$ (B1950)
 $16^{\text{h}}08^{\text{m}}46.5^{\text{s}}$ $10^{\circ}29'30''$ (J2000)
 ℓ : 23.04 b : 40.79

DATE: 1980/237 - 1980/237

NH: $4.1\text{E}+20$

LIVETIME: 712.2s

REF/ID:

ROLL ANGLE: 86.0°

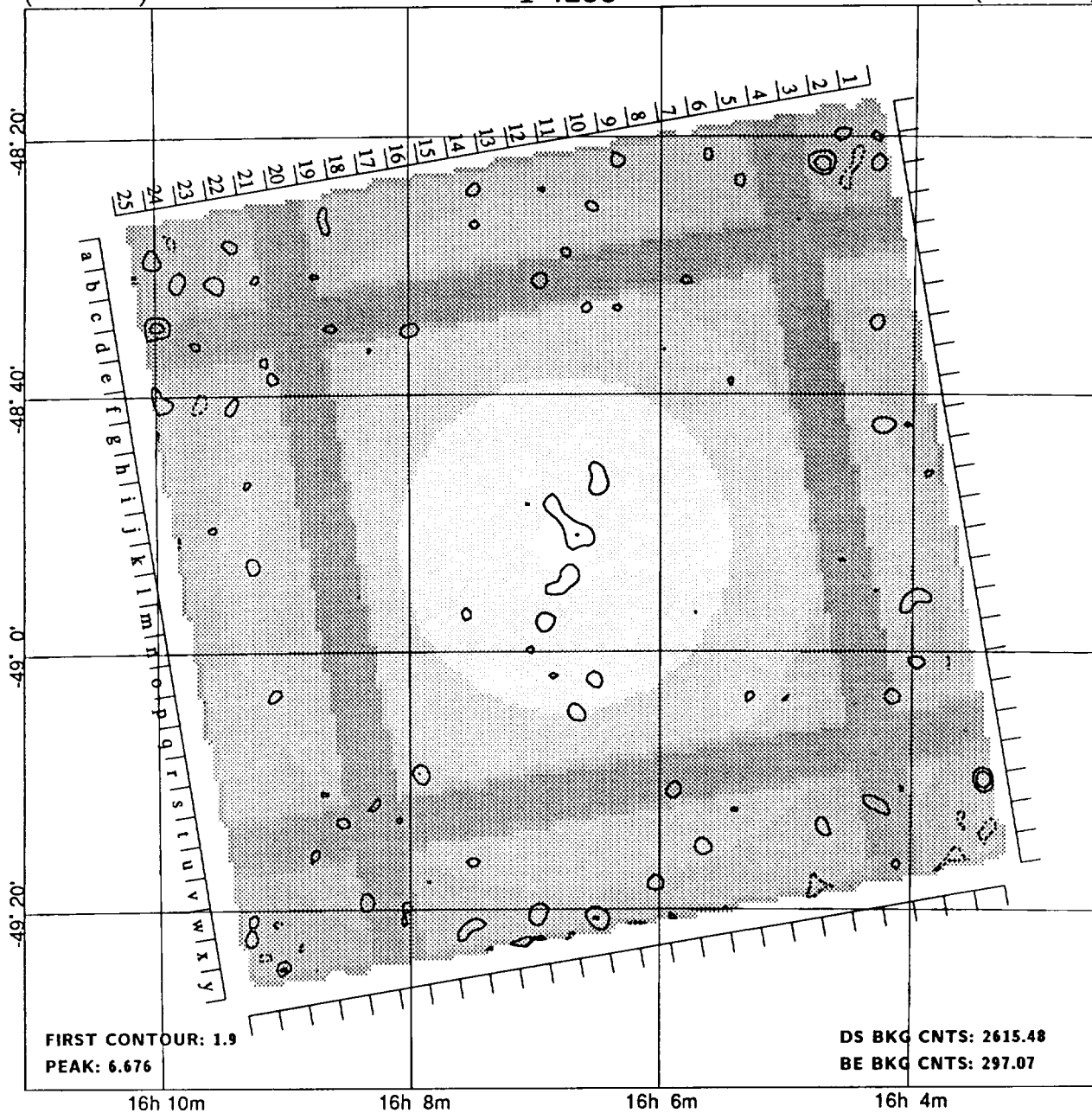
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3598	1	16 06 23.1	10 36 47	35	0.055	0.011	29.1	2.9	5.2	0.9	0	0.7	

(16h 6m)

I 4238

(16h 6m)



OB ASSOCIATIONS: R 105

FIELD CENTER: $16^h 06^m 47.9^s$ $-48^\circ 51' 59''$ (B1950)
 $16^h 10^m 29.5^s$ $-48^\circ 59' 47''$ (J2000)
 $l: 333.01$ $b: 1.89$

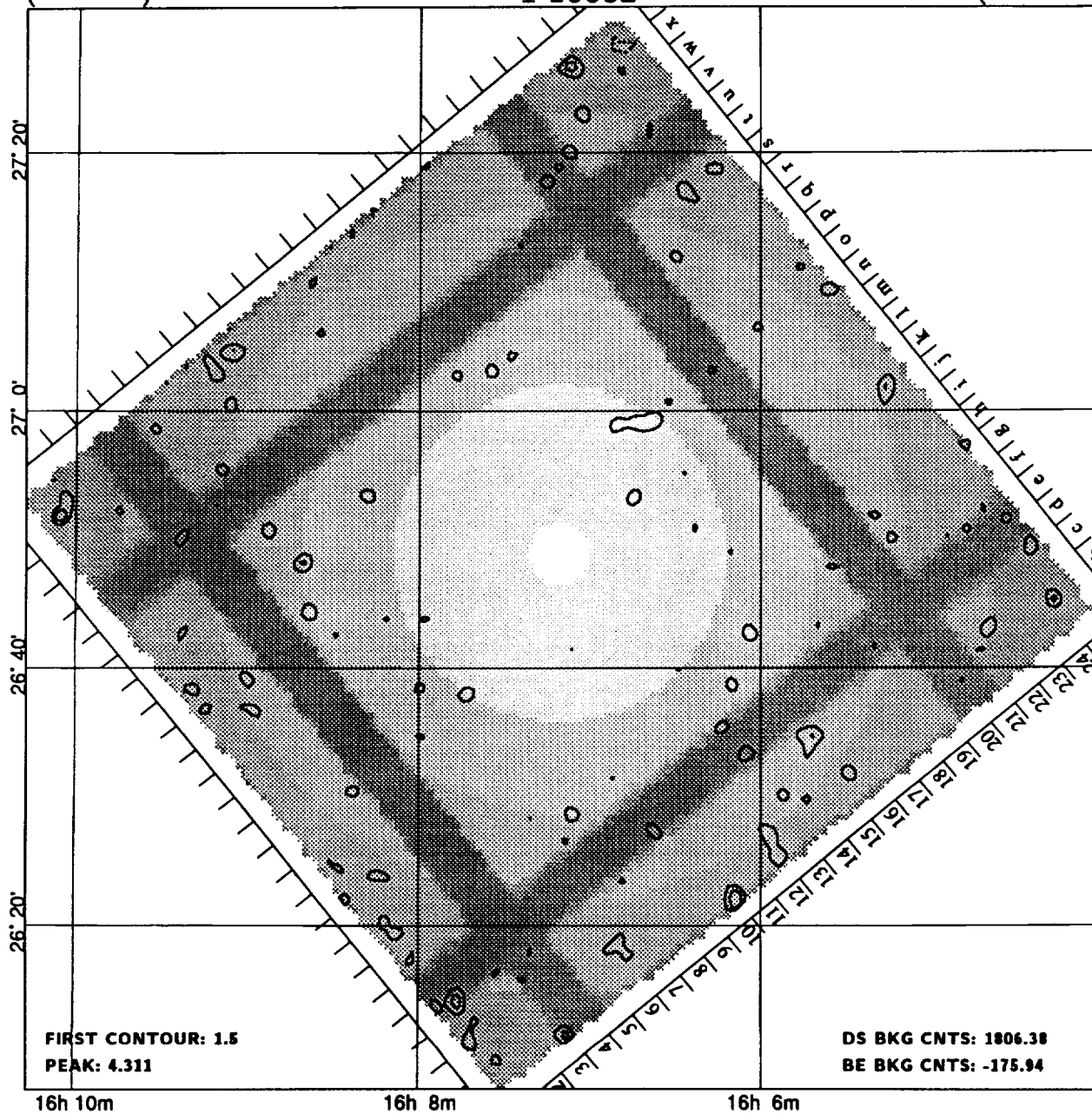
DATE: 1979/239 - 1979/239
 LIVETIME: 2119.4s
 ROLL ANGLE: 80.5°

NH: $1.5E+21$
 REF/ID:
 FIELD FLAGS:

(16h 7m)

I 10082

(16h 7m)



COMPACT EXTRAGALACTIC RADIO SOURCES: 1607+268

FIELD CENTER: $16^{\text{h}}07^{\text{m}}09.2^{\text{s}}$ $26^{\circ}49'18''$ (B1950)
 $16^{\text{h}}09^{\text{m}}13.2^{\text{s}}$ $26^{\circ}41'29''$ (J2000)
 $l: 44.17$ $b: 46.20$

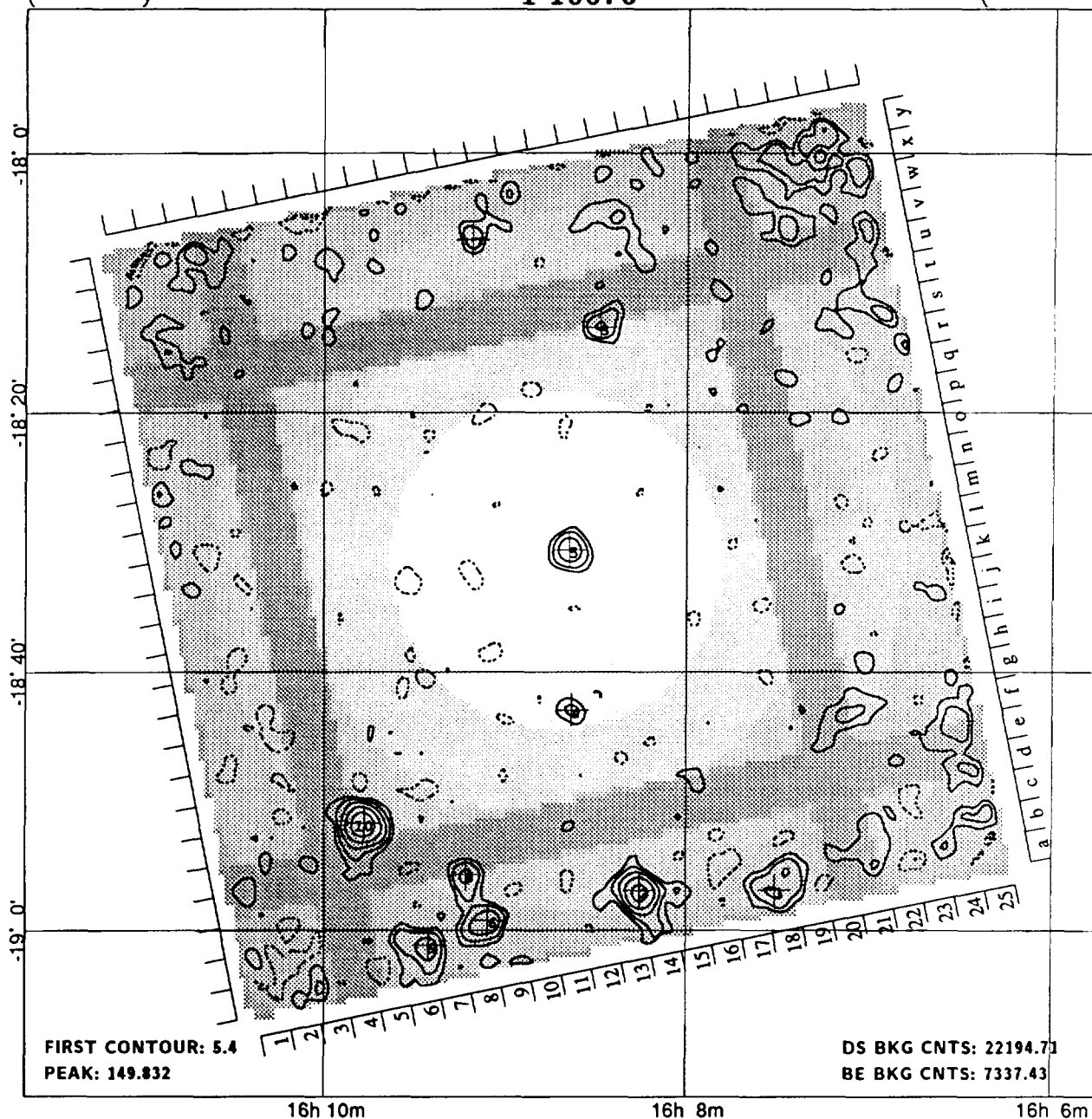
DATE: 1981/ 11 - 1981/ 11
LIVETIME: 1463.8s
ROLL ANGLE: -129.1°

NH: $4.0\text{E}+20$
REF/ID:
FIELD FLAGS:

(16h 8m)

I 10070

(16h 8m)



Spectra of 3 T TAURI Stars: AS 205

FIELD CENTER: $16^{\text{h}}08^{\text{m}}41.0^{\text{s}}$ $-18^{\circ}30'54''$ (B1950)
 $16^{\text{h}}11^{\text{m}}34.7^{\text{s}}$ $-18^{\circ}38'37''$ (J2000)
 $l: 355.20$ $b: 23.32$

DATE: 1981/ 43 - 1981/ 44
 LIVETIME: 17985.1s
 ROLL ANGLE: -101.2°

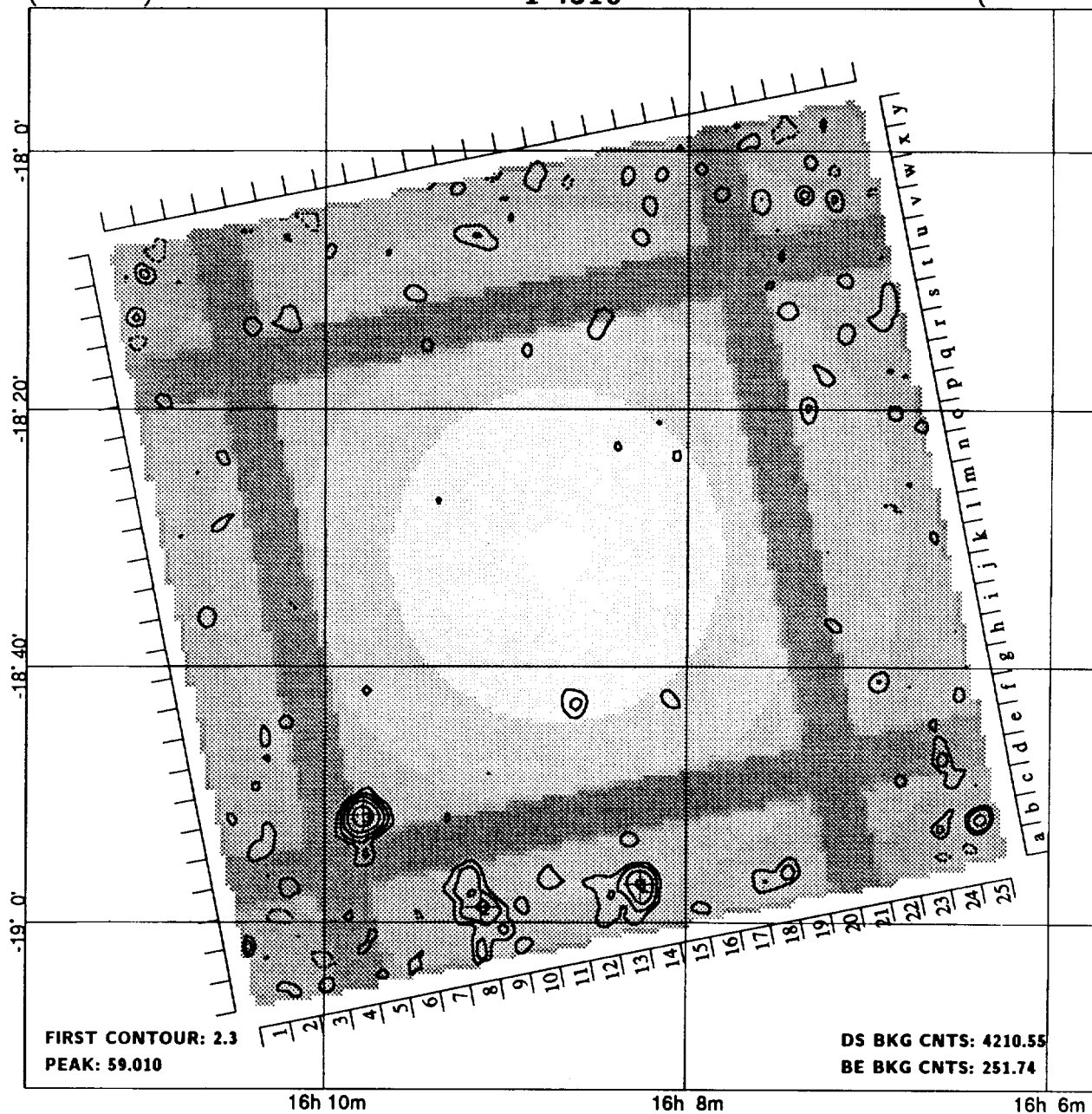
NH: $1.2\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3602	1	16 07 30.7	-18 56 52	55	0.0083	0.0016	50.8	42.2	5.3	1.6	0	30.5	H
3603	2	16 08 15.3	-18 56 55	47	0.0321	0.0023	236.3	48.7	14.0	1.2	0	26.4	AH
3604	3	16 08 28.8	-18 13 25	50	*0.0068	0.0011	65.8	53.2	6.0	1.0	805	17.7	
3605	4	16 08 38.0	-18 42 59	42	0.00354	0.00088	41.0	63.0	4.0	0.6	0	12.2	
3606	5	16 08 38.8	-18 30 32	31	0.0111	0.0011	148.3	78.7	9.8	0.9	0	0.6	
3607	6	16 09 05.8	-18 59 13	50	0.0122	0.0016	83.0	39.0	7.5	1.7	0	28.7	AH
3608	7	16 09 11.0	-18 06 39	55	0.0049	0.0012	36.6	48.4	4.0	0.9	0	25.5	H
3609	8	16 09 13.0	-18 55 40	51	*0.0070	0.0013	53.5	39.5	5.5	2.6	804	26.1	H
3610	9	16 09 25.3	-19 01 08	51	0.0093	0.0017	54.7	41.3	5.6	1.4	0	32.0	H
3611	10	16 09 46.7	-18 51 38	47	*0.0441	0.0025	338.5	43.5	17.3	1.2	903	25.7	AH

(16h 8m)

I 4510

(16h 8m)



T TAURI STARS: AS 205

FIELD CENTER: $16^{\text{h}}08^{\text{m}}41.0^{\text{s}}$ $-18^{\circ}30'52''$ (B1950)
 $16^{\text{h}}11^{\text{m}}34.7^{\text{s}}$ $-18^{\circ}38'35''$ (J2000)
 $l: 355.20$ $b: 23.32$

DATE: 1980/ 42 - 1980/ 42
 LIVETIME: 3411.9s
 ROLL ANGLE: -101.3°

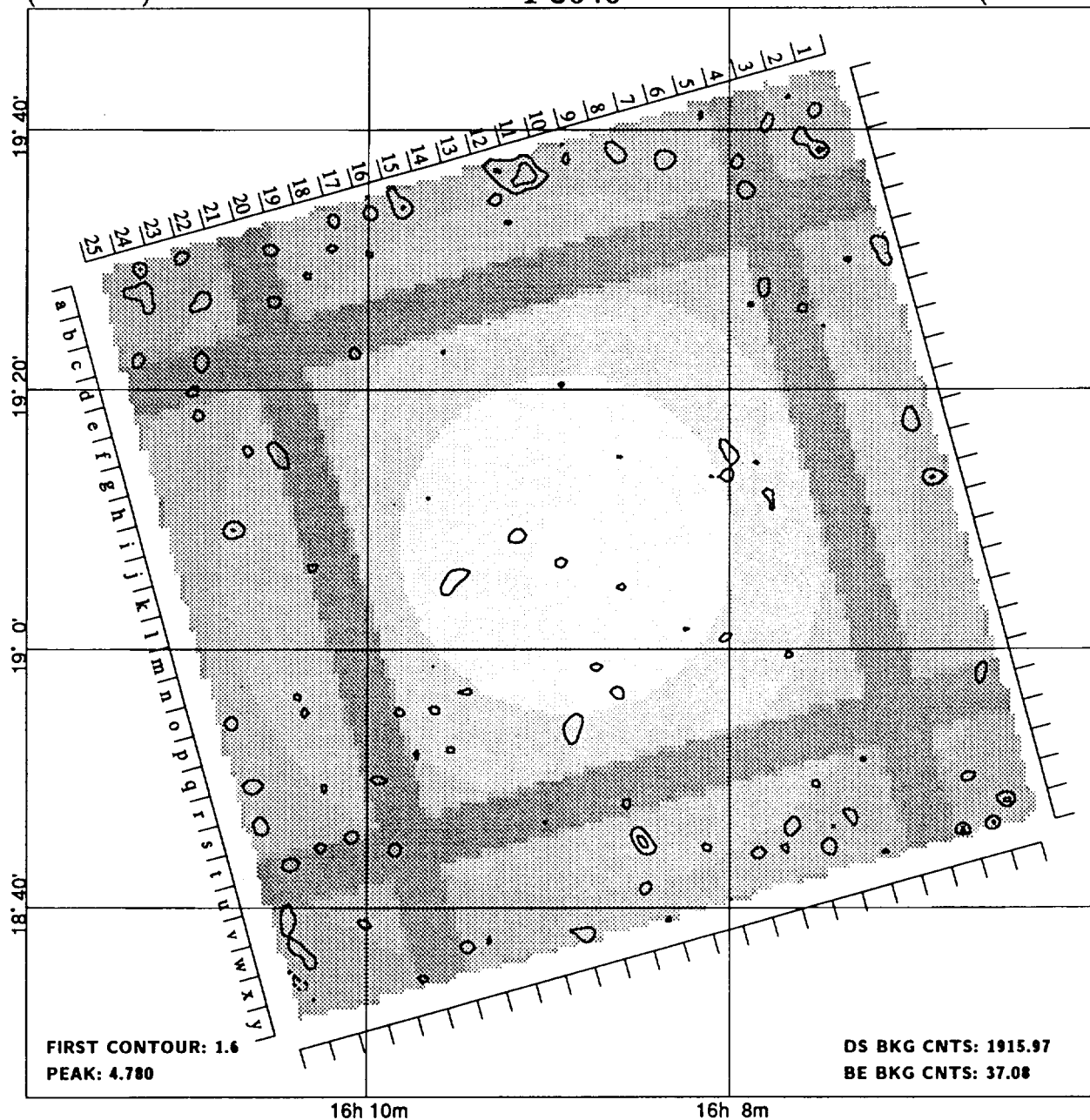
NH: $1.2\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3603	1	16 08 15.1	-18 57 02	50	0.0314	0.0051	43.7	7.3	6.1	1.3	0	26.7	AH	
3607	2	16 09 08.2	-18 58 50	55	0.0181	0.0042	23.5	6.5	4.3	2.1	0	28.6	AH	
3611	3	16 09 47.2	-18 51 35	48	*0.0842	0.0078	122.3	6.7	10.8	1.0	1003	25.9	AH	

(16h 8m)

I 3040

(16h 8m)

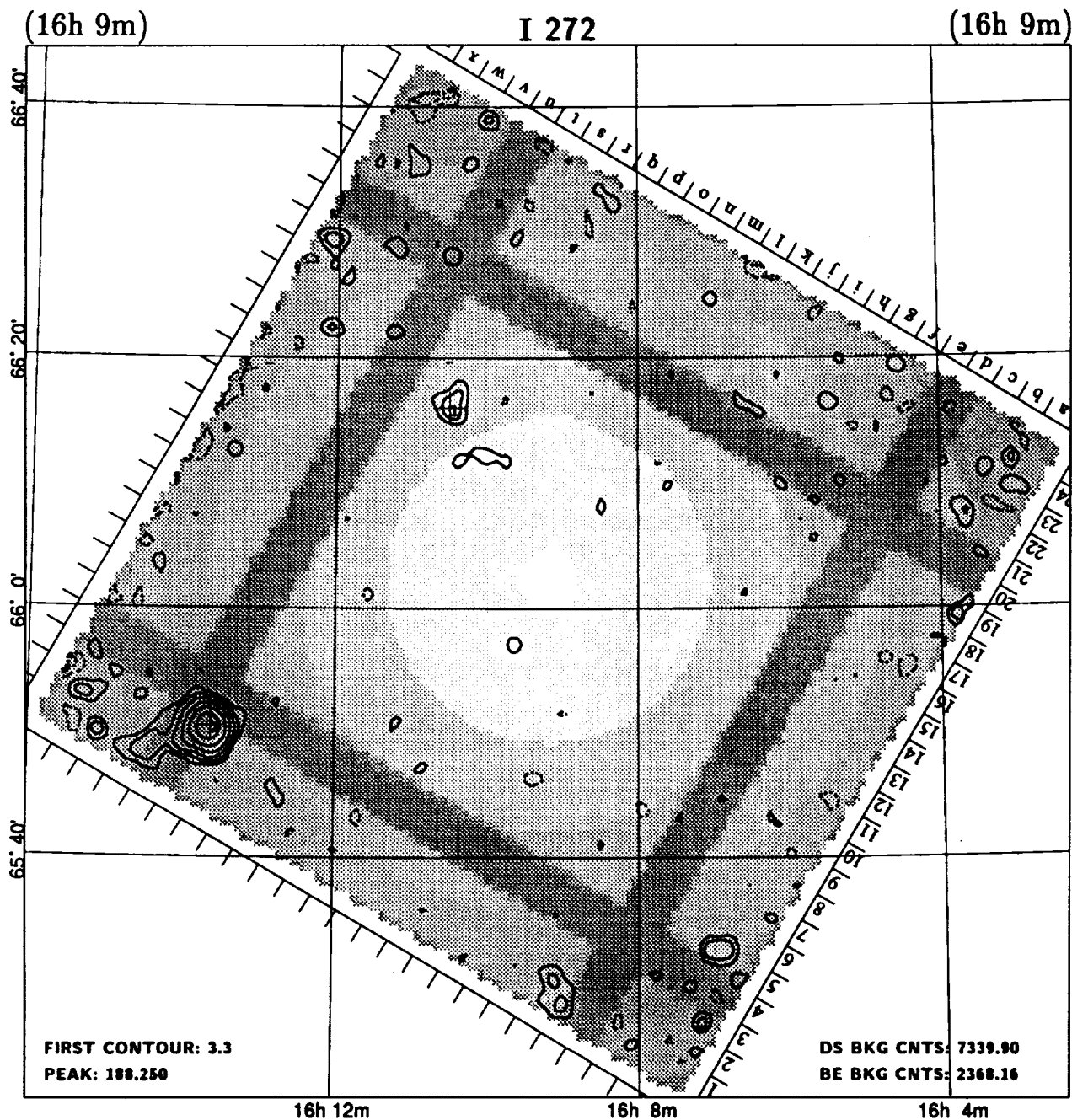


4C19.53: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: $16^{\text{h}}08^{\text{m}}55.0^{\text{s}}$ $19^{\circ}07'23''$ (B1950)
 $16^{\text{h}}11^{\text{m}}08.3^{\text{s}}$ $18^{\circ}59'41''$ (J2000)
 $l: 33.89$ $b: 43.64$

DATE: 1979/228 - 1979/228
 LIVETIME: 1552.6s
 ROLL ANGLE: 74.6°

NH: $3.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:



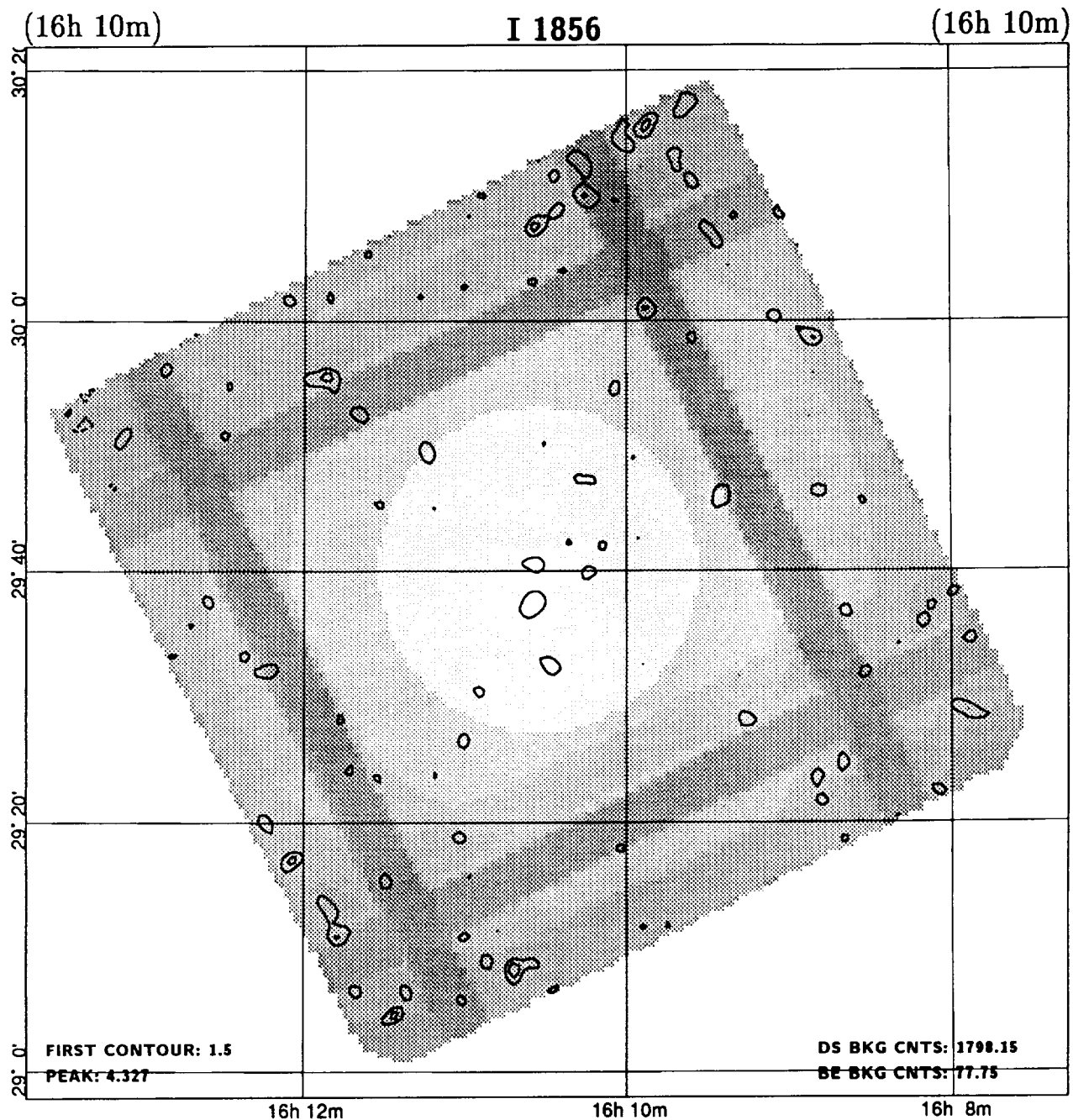
3C 330 COMP CLUSTER EVOLUTION

FIELD CENTER: $16^{\text{h}}09^{\text{m}}11.0^{\text{s}}$ $66^{\circ}02'59''$ (B1950)
 $16^{\text{h}}09^{\text{m}}31.9^{\text{s}}$ $65^{\circ}55'14''$ (J2000)
 $l: 98.77$ $b: 40.69$

DATE: 1979/ 8 - 1979/ 8
 LIVETIME: 5947.7s
 ROLL ANGLE: -149.5°

NH: $2.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3612	1	16 10 30.2	66 16 05	53	0.0090	0.0021	31.0	19.0	4.4	0.9	0	15.6	H	
3624	2	16 13 36.9	65 50 31	47	*0.1739	0.0092	369.1	11.9	18.9	1.4	1308	29.9	AH	*



A2162: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $16^h 10^m 29.9^s$ $29^\circ 39' 59''$ (B1950)
 $16^h 12^m 29.9^s$ $29^\circ 32' 23''$ (J2000)
 l : 48.40 b : 46.04

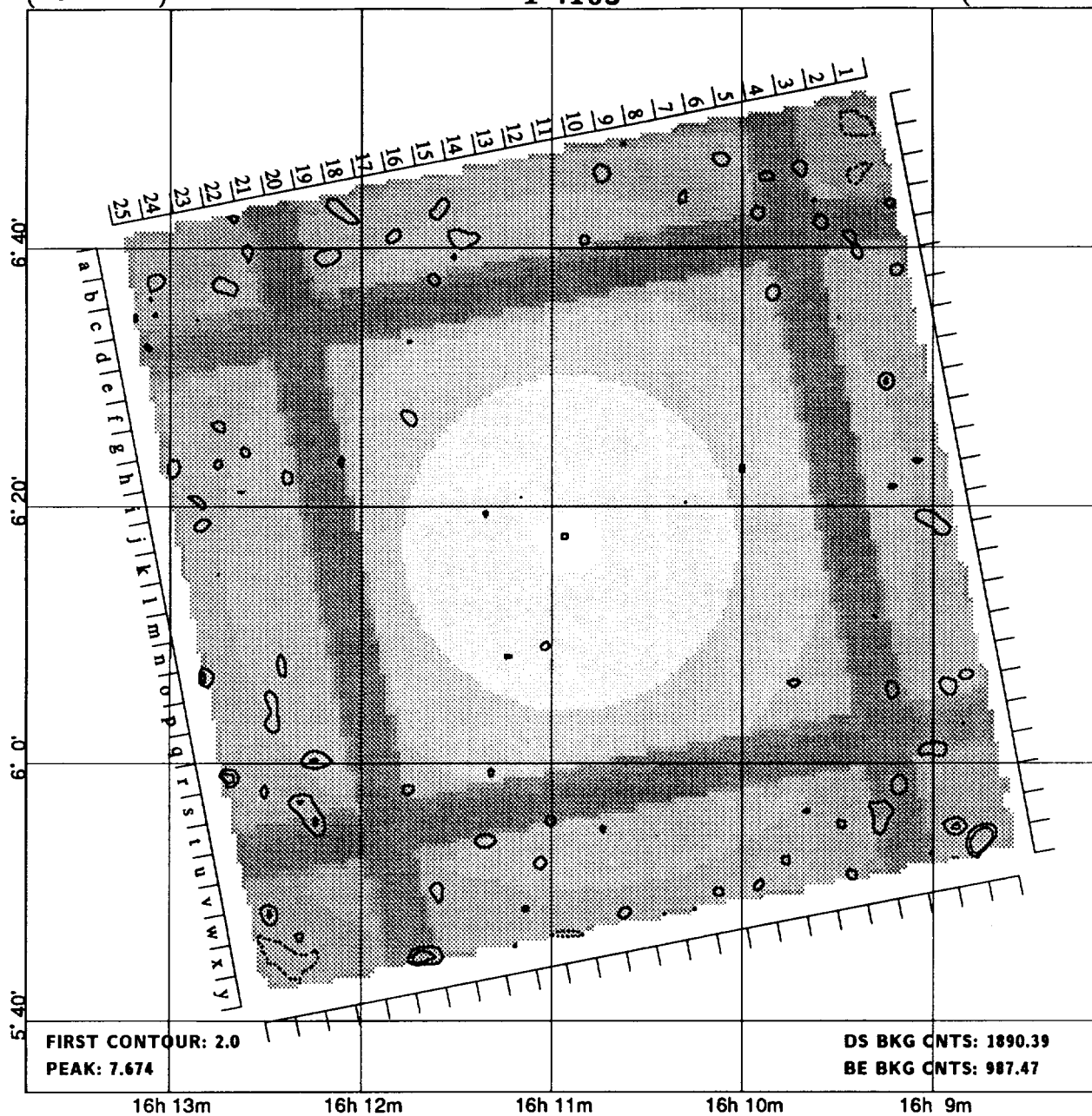
DATE: 1979/ 29 - 1979/ 29
 LIVETIME: 1457.1s

NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS:

(16h 10m)

I 4105

(16h 10m)



FIELD CENTER: $16^h 10^m 55.9^s$ $06^\circ 16' 29''$ (B1950)
 $16^h 13^m 23.2^s$ $06^\circ 08' 55''$ (J2000)
 $l: 18.80$ $b: 37.72$

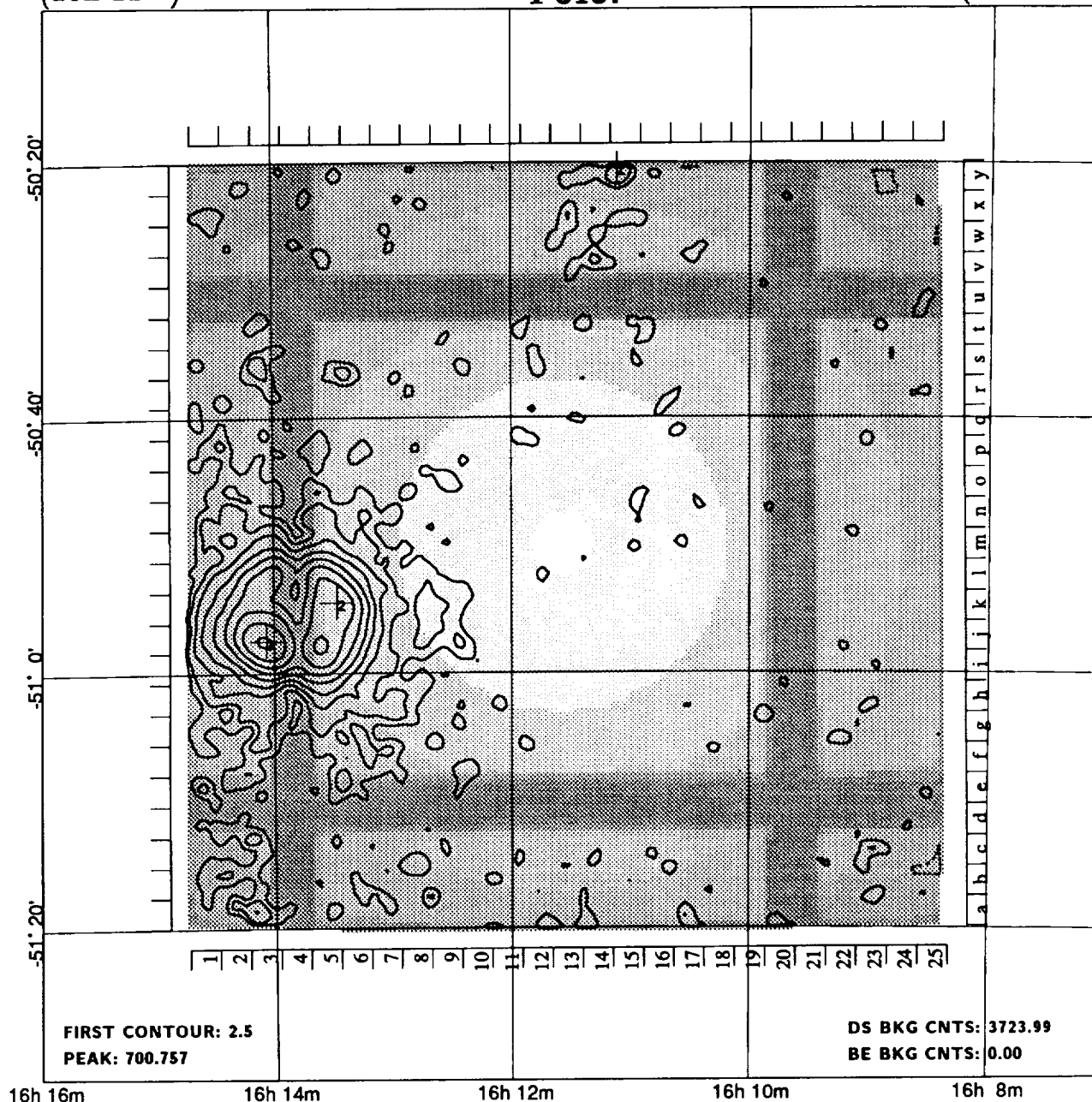
DATE: 1980/237 - 1980/237
 LIVETIME: 1531.8s
 ROLL ANGLE: 79.1°

NH: $4.4E+20$
 REF/ID:
 FIELD FLAGS: L

(16h 11m)

I 3157

(16h 11m)



SNR NEAR COS-B GAMMA RAY SOURCES

FIELD CENTER: $16^{\text{h}}11^{\text{m}}30.0^{\text{s}}$ $-50^{\circ}49'59''$ (B1950)
 $16^{\text{h}}15^{\text{m}}17.2^{\text{s}}$ $-50^{\circ}57'29''$ (J2000)
 $l: 332.22$ $b: -0.06$

DATE: 1979/ 57 - 1979/ 57
 LIVETIME: 3017.7s
 ROLL ANGLE: -90.1°

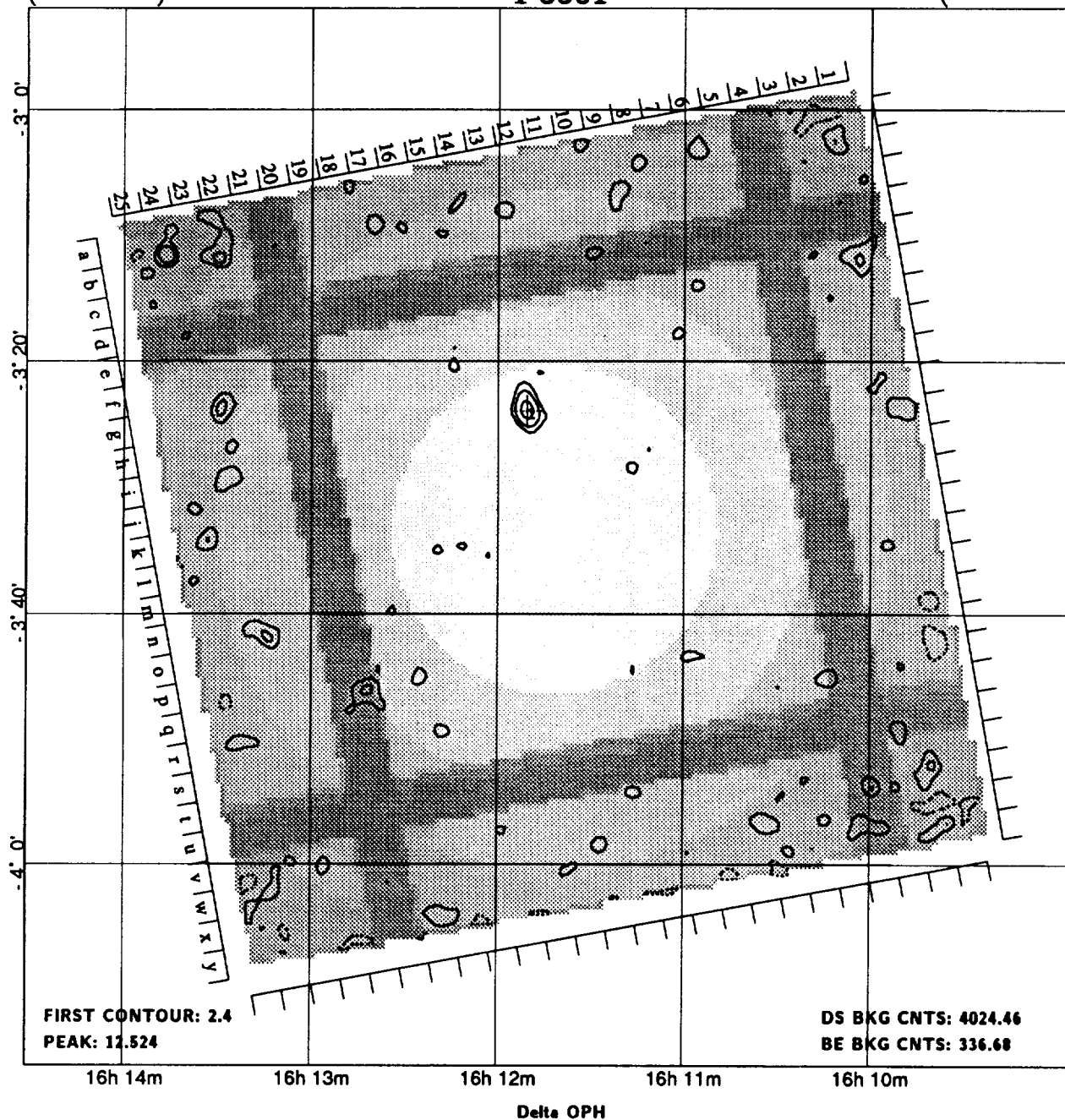
NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3613	1L	16 11 06.7	-50 20 29	51	*0.0391	0.0097	40.5	6.0	4.0	1.5	703	29.7	AEI	
3623	2L	16 13 28.2	-50 54 22	47	0.369	0.027	594.7	542.3	13.5	9.1	500	19.4	A	
3626	3L	16 14 03.9	-50 57 27	47	*1.051	0.051	1375.0	666.5	20.4	4.4	906	25.3	A	SNR

(16h 11m)

I 5581

(16h 11m)

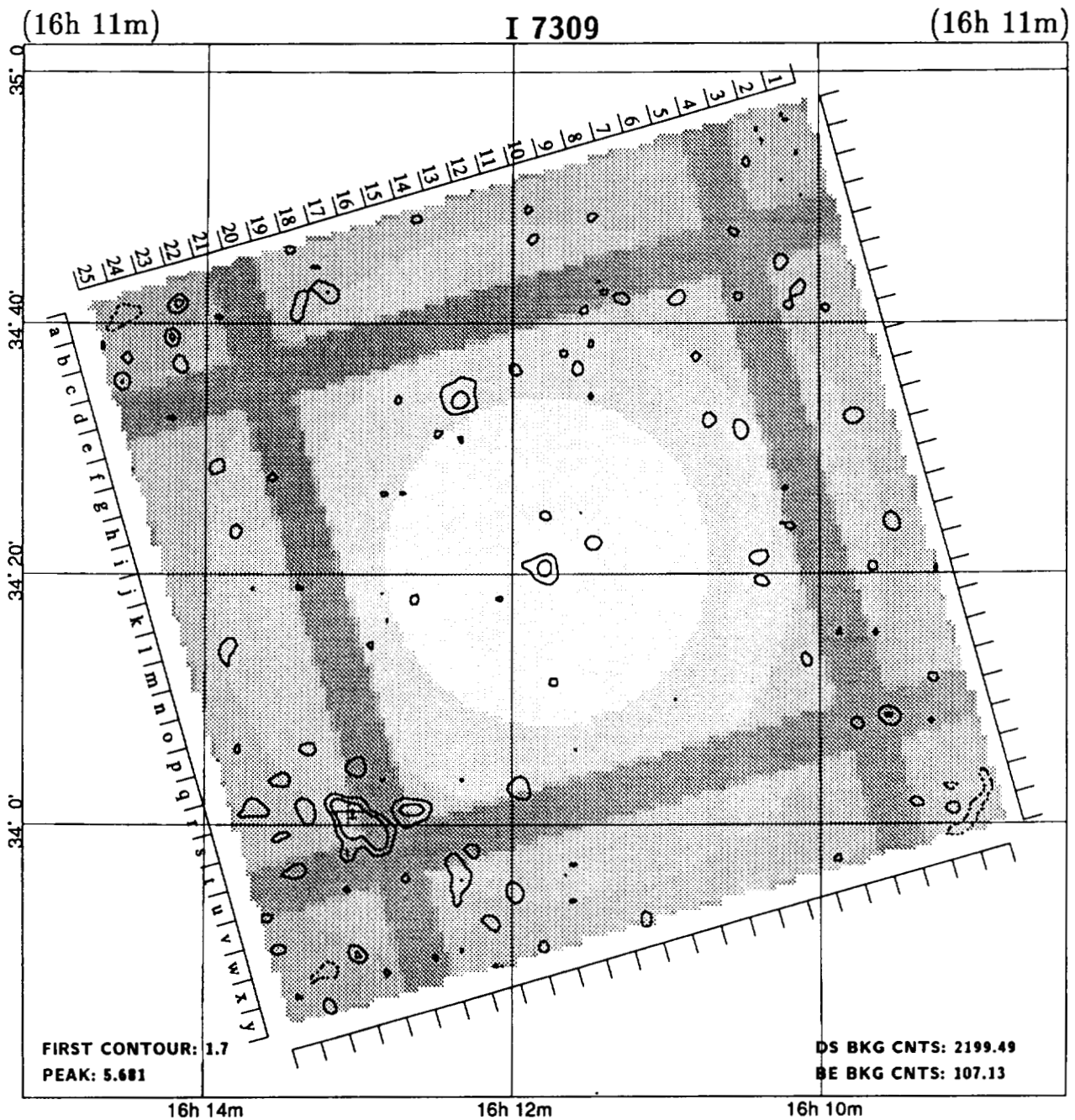


FIELD CENTER: $16^{\text{h}}11^{\text{m}}42.9^{\text{s}}$ $-03^{\circ}33'59''$ (B1950)
 $16^{\text{h}}14^{\text{m}}20.4^{\text{s}}$ $-03^{\circ}41'30''$ (J2000)
 $\ell: 8.84$ $b: 32.20$

DATE: 1980/239 - 1980/240
 LIVETIME: 3261.1s
 ROLL ANGLE: 79.6°

NH: $9.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3614	1	16 11 50.7	-03 23 55	41	0.0170	0.0031	37.1	9.9	5.4	0.9	0	10.5	H	AGN

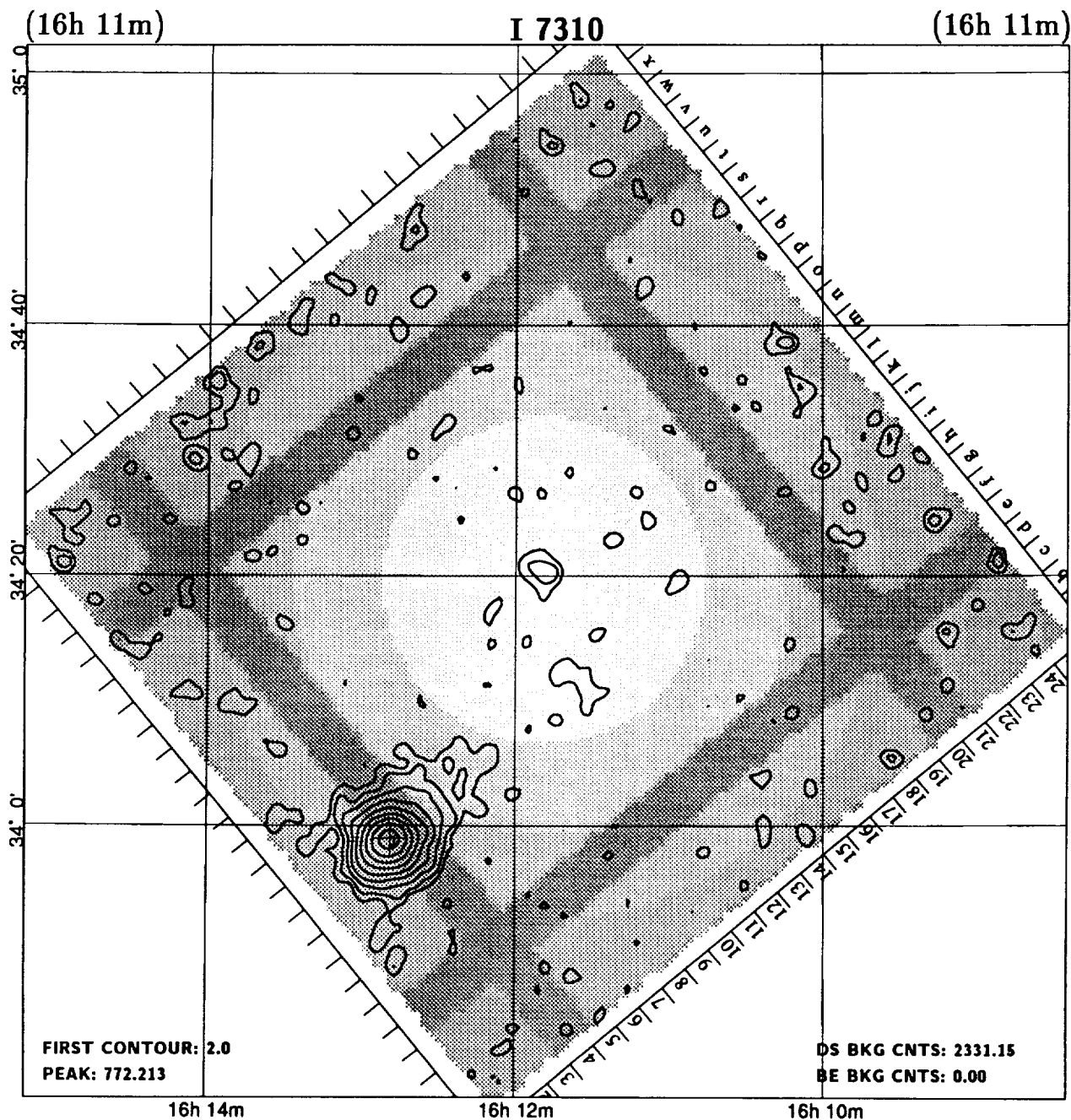


FIELD CENTER: $16^{\text{h}}11^{\text{m}}47.8^{\text{s}}$ $34^{\circ}20'17''$ (B1950)
 $16^{\text{h}}13^{\text{m}}40.9^{\text{s}}$ $34^{\circ}12'45''$ (J2000)
 $l: 55.15$ $b: 46.38$

DATE: 1980/228 - 1980/228
 LIVETIME: 1782.3s
 ROLL ANGLE: 74.2°

NH: $1.6\text{E}+20$
 REF/ID: !
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3620	1	16 13 04.0	34 01 05	55	*0.0211	0.0058	15.9	3.1	3.6	2.4	803	24.4	H	



1611+34, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: $16^{\text{h}}11^{\text{m}}47.8^{\text{s}}$ $34^{\circ}20'17''$ (B1950)
 $16^{\text{h}}13^{\text{m}}40.9^{\text{s}}$ $34^{\circ}12'45''$ (J2000)
 $l: 55.15$ $b: 46.38$

DATE: 1981/ 10 - 1981/ 10
 LIVETIME: 1889.0s
 ROLL ANGLE: -129.5°

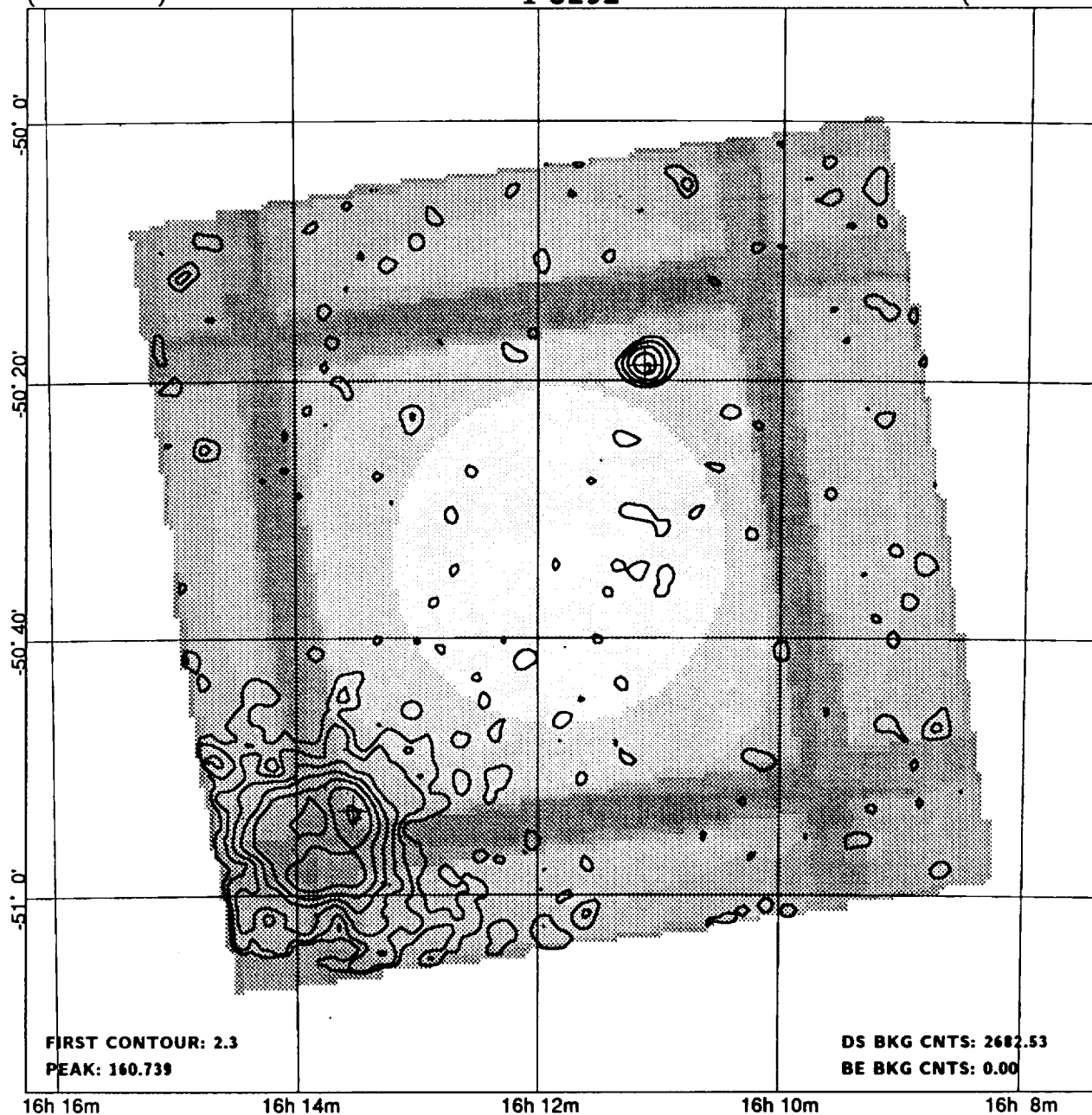
NH: $1.6\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3618	1L	16 12 48.7	33 58 59	47	*0.99	0.14	834.4	362.6	7.2	1.5	1108	24.7	A	S

(16h 11m)

I 5292

(16h 11m)



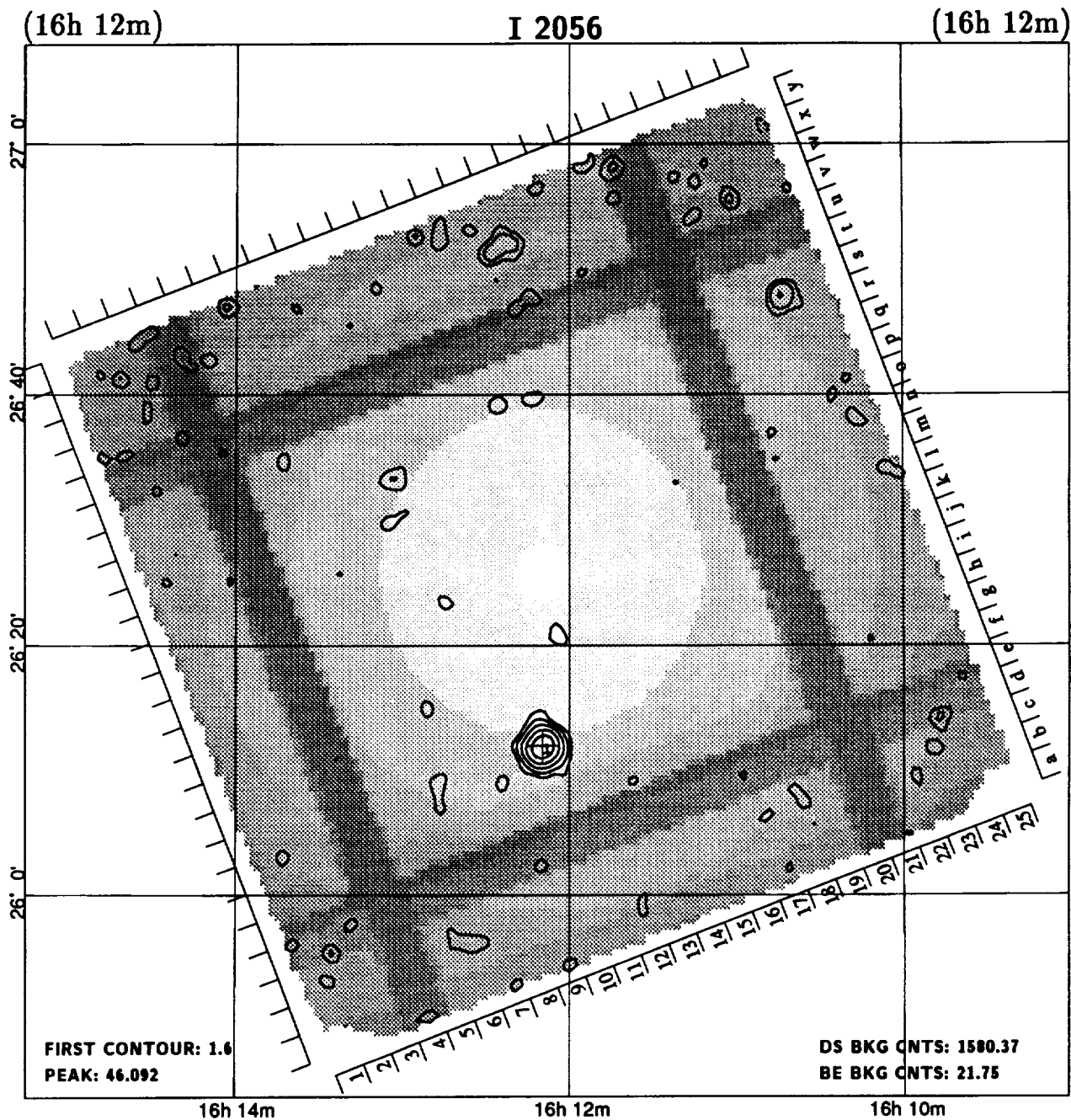
SNR KE 32:SEARCH FOR X-RAYS FROM NON-THERMAL RADIO SOURCES

FIELD CENTER: $16^{\text{h}}11^{\text{m}}47.9^{\text{s}}$ $-50^{\circ}33'17''$ (B1950)
 $16^{\text{h}}15^{\text{m}}34.4^{\text{s}}$ $-50^{\circ}40'46''$ (J2000)
 $l: 332.45$ $b: 0.11$

DATE: 1980/ 53 - 1981/ 40
 LIVETIME: 2173.7s

NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3613	1L	16 11 07.5	-50 18 49	48	0.0755	0.0089	93.7	4.3	8.4	1.1	0	15.9	A	
3623	2L	16 13 31.9	-50 53 23	47	*0.347	0.047	318.3	125.7	7.2	8.4	1004	25.5	A	



X-RAY STUDY OF QUASARS: TON256,NAB1612+26

FIELD CENTER: 16^h12^m07.9^s 26°25'59" (B1950)
 16^h14^m12.1^s 26°18'29" (J2000)
 ℓ : 43.99 b : 45.03

DATE: 1979/ 29 - 1979/ 29
 LIVETIME: 1280.6s
 ROLL ANGLE: -111.0°

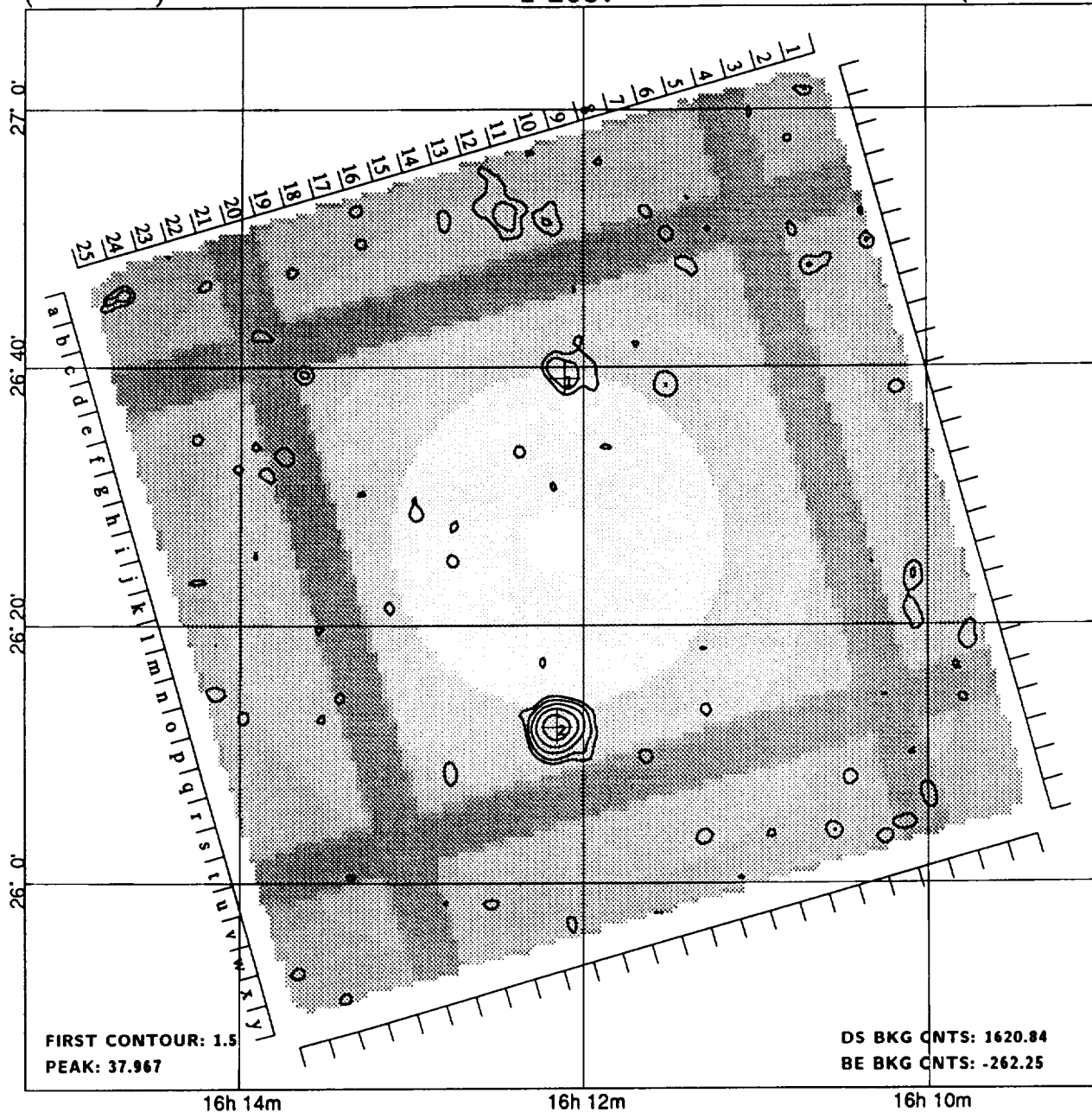
NH: 4.0E+20
 REF/ID: !
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3617	1	16 12 09.6	26 11 57	38	0.180	0.015	140.8	3.2	11.7	1.0	0	14.0	AH	Q

(16h 12m)

I 2057

(16h 12m)



X-RAY STUDY OF QUASARS: TON256,NAB1612+26

FIELD CENTER: $16^h 12^m 07.9^s$ $26^\circ 25' 59''$ (B1950)
 $16^h 14^m 12.1^s$ $26^\circ 18' 29''$ (J2000)
 $l: 43.99$ $b: 45.03$

DATE: 1979/228 - 1979/228
 LIVETIME: 1313.4s
 ROLL ANGLE: 74.1°

NH: $4.0E+20$
 REF/ID: I
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm ''	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3616	1	16 12 06.5	26 39 05	46	0.0255	0.0059	21.0	3.0	4.3	1.2	0	13.2	H	Q
3617	2	16 12 09.2	26 12 04	38	0.174	0.015	137.3	2.7	11.6	1.3	0	14.0	AH	Q

(16h 12m)



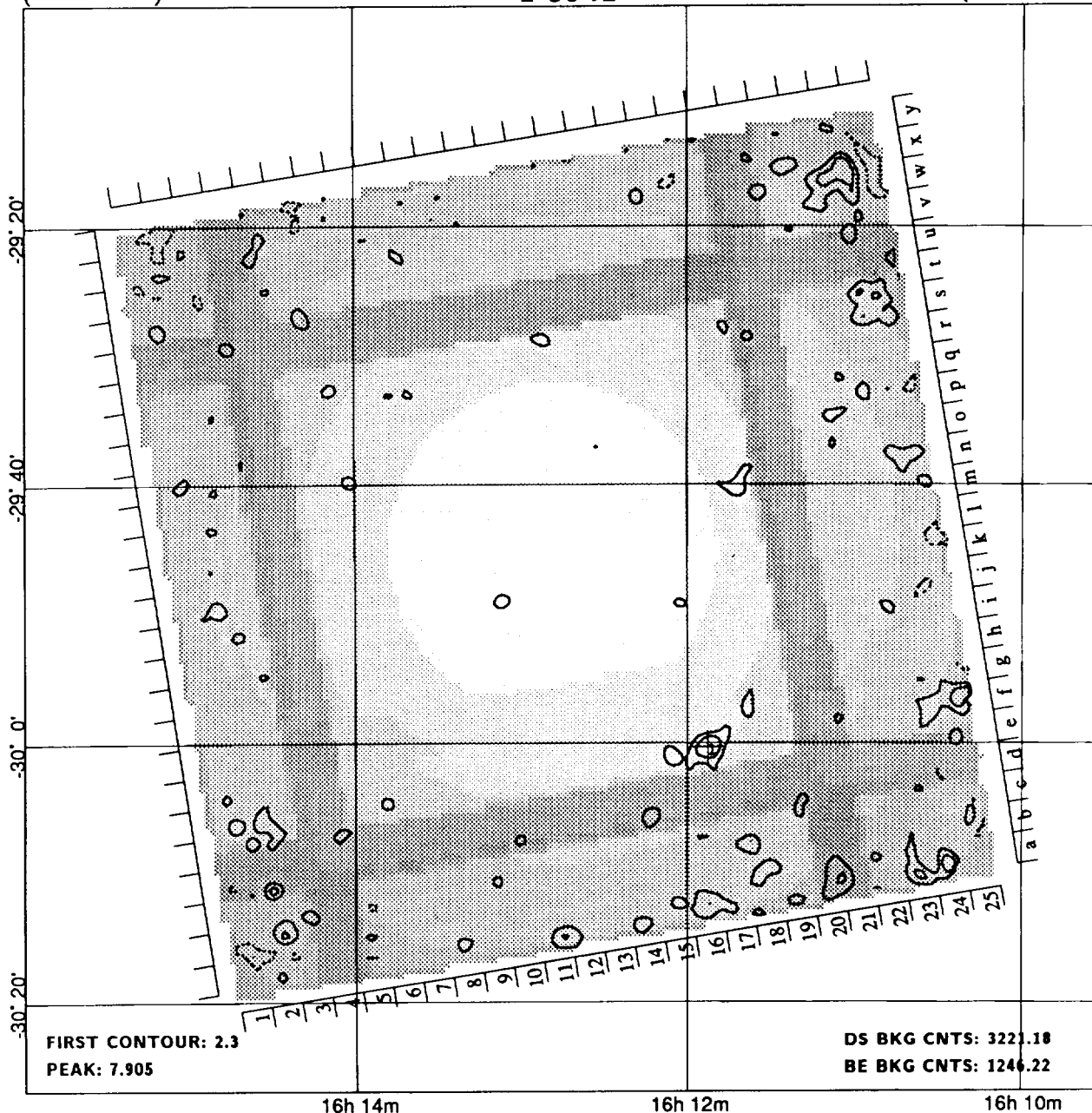
FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3621	1	16 13 05.4	-06 01 07	38	0.191	0.014	194.8	4.2	13.8	2.9	0	8.7	H	CLG

(16h 12m)

I 5941

(16h 12m)



RADIO PULSAR PROJECT:

FIELD CENTER: $16^{\text{h}}12^{\text{m}}45.0^{\text{s}}$ $-29^{\circ}44'59''$ (B1950)
 $16^{\text{h}}15^{\text{m}}53.0^{\text{s}}$ $-29^{\circ}52'25''$ (J2000)
 l : 347.24 b : 14.91

DATE: 1980/ 48 - 1980/ 48
 LIVETIME: 2610.2s
 ROLL ANGLE: -99.1°

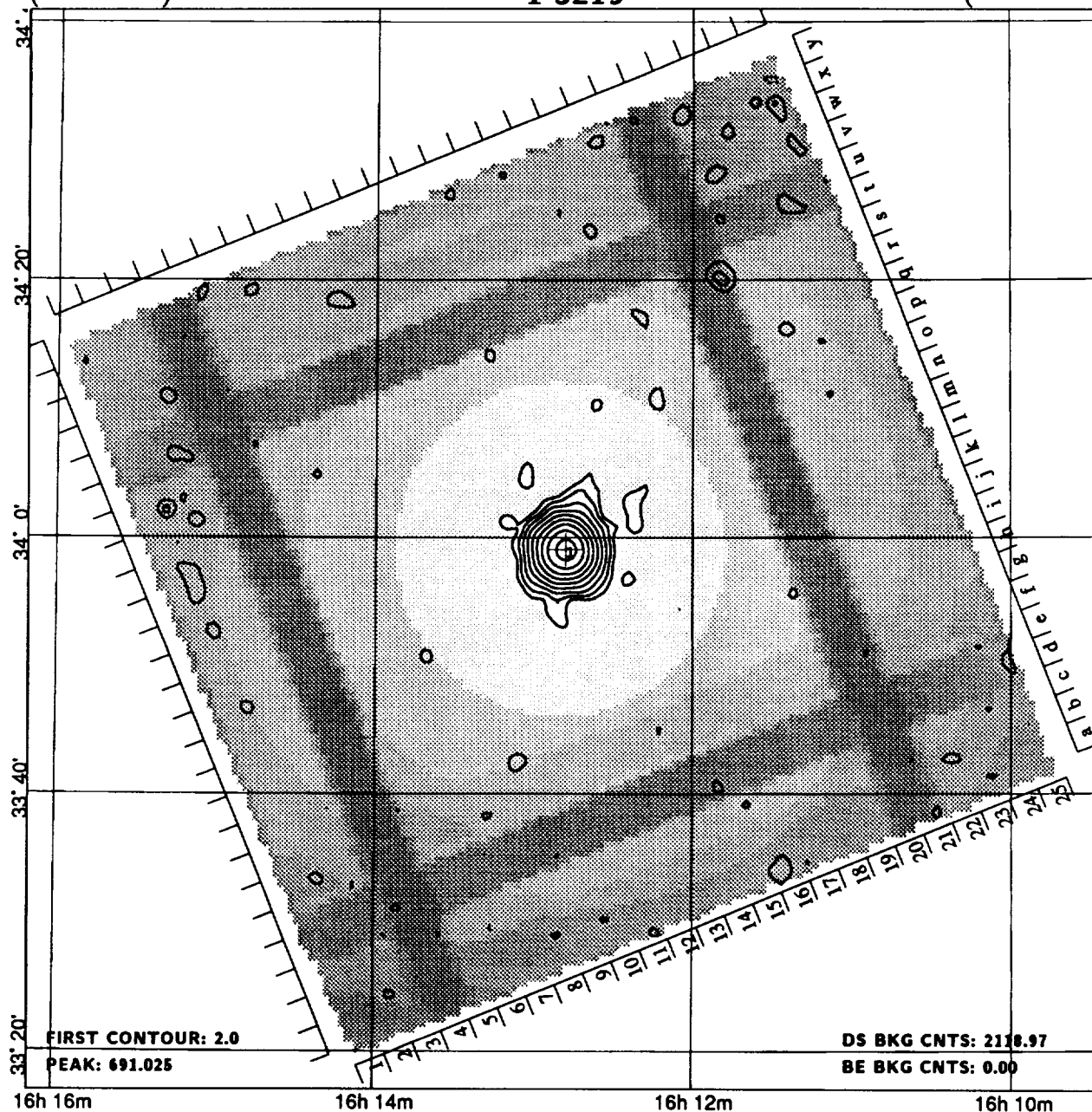
NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3615	1L	16 11 52.5	-30 00 18	52	0.0195	0.0049	26.7	6.3	3.8	0.9	0	19.0		

(16h 12m)

I 3219

(16h 12m)



RS CVN SYSTEMS: SIGMA CRB

FIELD CENTER: $16^{\text{h}}12^{\text{m}}48.2^{\text{s}}$ $33^{\circ}59'02''$ (B1950)
 $16^{\text{h}}14^{\text{m}}41.8^{\text{s}}$ $33^{\circ}51'34''$ (J2000)
 $l: 54.67$ $b: 46.14$

DATE: 1979/ 28 - 1979/ 28
 LIVETIME: 1717.1s
 ROLL ANGLE: -112.1°

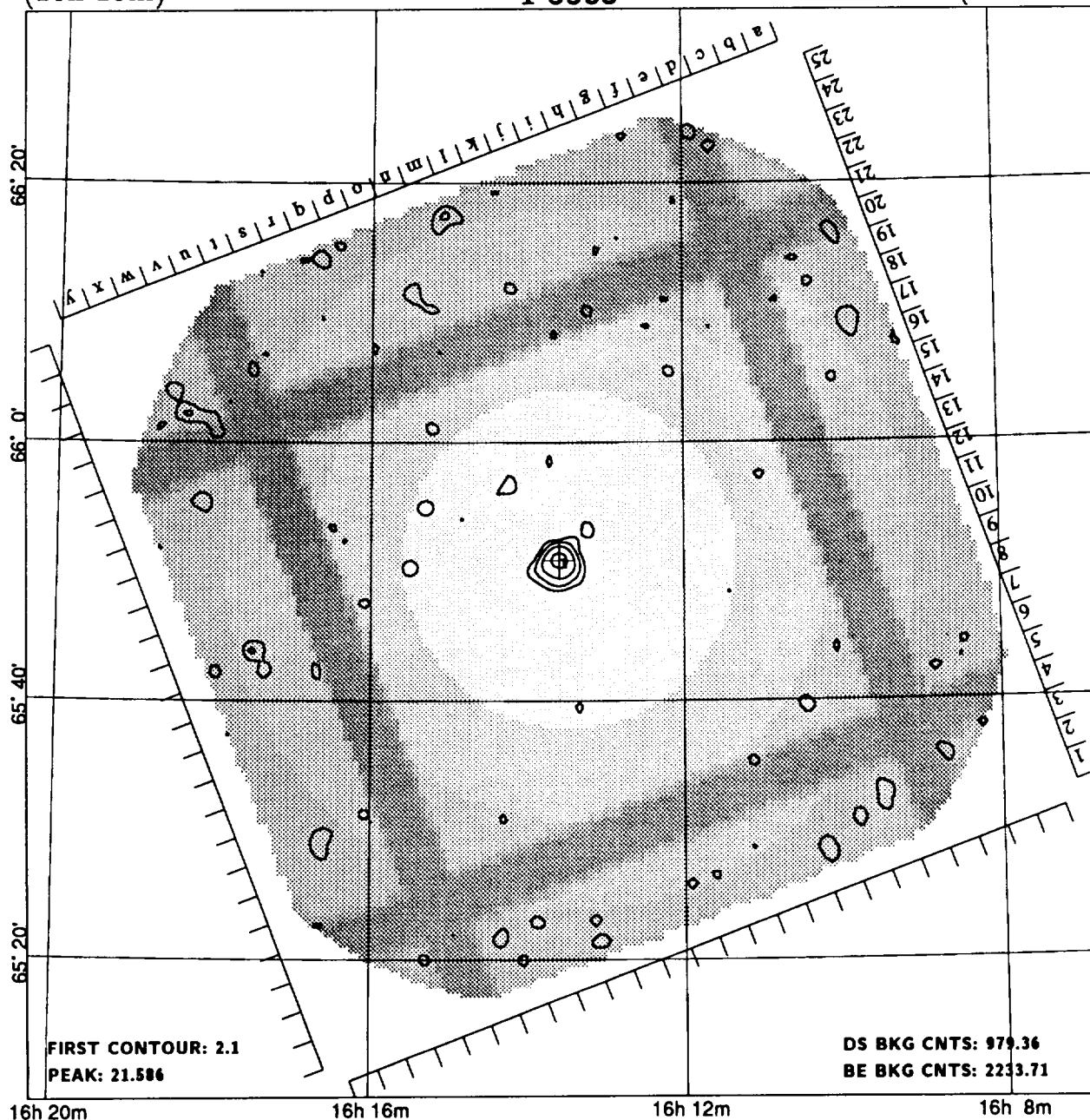
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3618	1L	16 12 48.0	33 59 05	31	2.170	0.050	2781.9	395.1	43.3	1.3	0	0.1	A	S

(16h 13m)

I 5385

(16h 13m)



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $16^{\text{h}}13^{\text{m}}33.4^{\text{s}}$ $65^{\circ}51'25''$ (B1950)
 $16^{\text{h}}13^{\text{m}}54.2^{\text{s}}$ $65^{\circ}43'57''$ (J2000)
 $l: 98.29$ $b: 40.37$

DATE: 1979/311 - 1979/311
 LIVETIME: 793.6s
 ROLL ANGLE: 159.3°

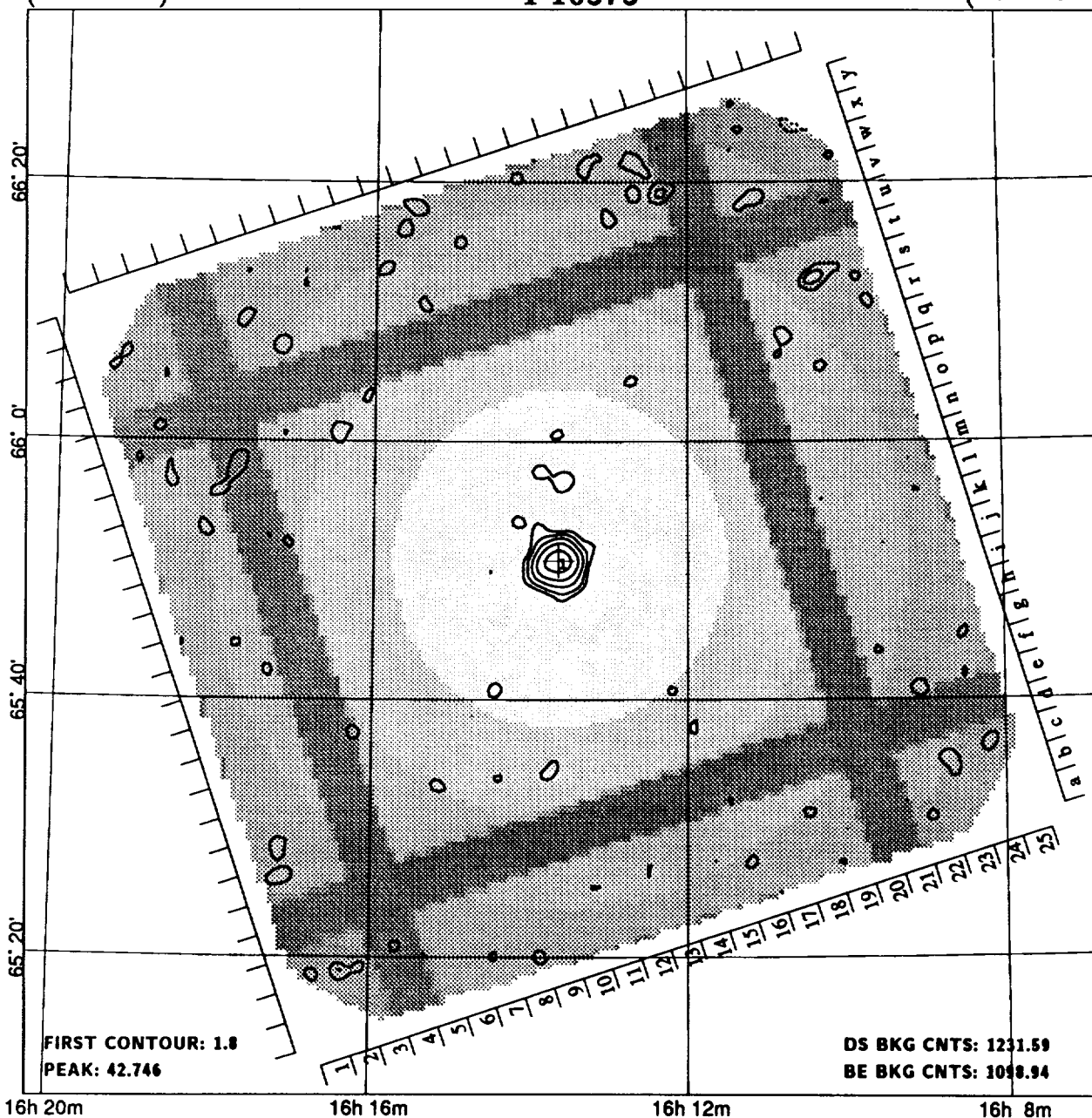
NH: $2.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3624	1L	16 13 35.6	65 50 48	32	0.130	0.019	76.8	16.2	6.8	1.1	0	0.7	A	*

(16h 13m)

I 10375

(16h 13m)



PG 1613+65, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: $16^{\text{h}}13^{\text{m}}33.4^{\text{s}}$ $65^{\circ}51'25''$ (B1950)
 $16^{\text{h}}13^{\text{m}}54.2^{\text{s}}$ $65^{\circ}43'57''$ (J2000)
 $l: 98.29$ $b: 40.37$

DATE: 1981/ 37 - 1981/ 37

NH: $2.9\text{E}+20$

LIVETIME: 998.0s

REF/ID:

ROLL ANGLE: -108.2°

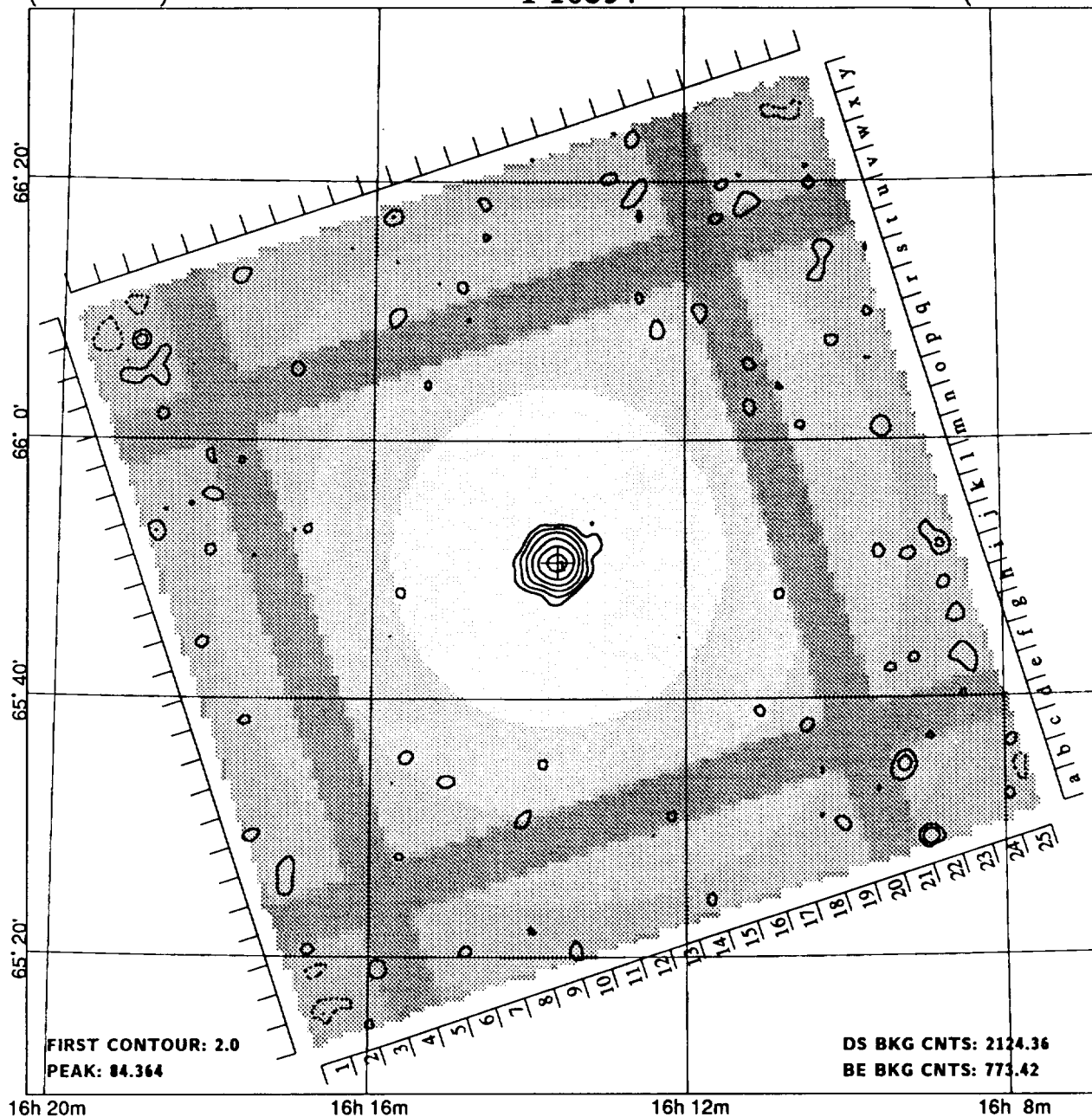
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3624	1	16 13 38.8	65 50 51	31	0.262	0.019	195.0	6.0	13.8	1.3	0	0.6	AH	*

(16h 13m)

I 10394

(16h 13m)



FIELD CENTER: 16^h13^m33.4^s 65°51'25" (B1950)
16^h13^m54.2^s 65°43'57" (J2000)
ℓ: 98.29 b: 40.37

DATE: 1981/ 37 - 1981/ 37
LIVETIME: 1721.4s
ROLL ANGLE: -108.2°

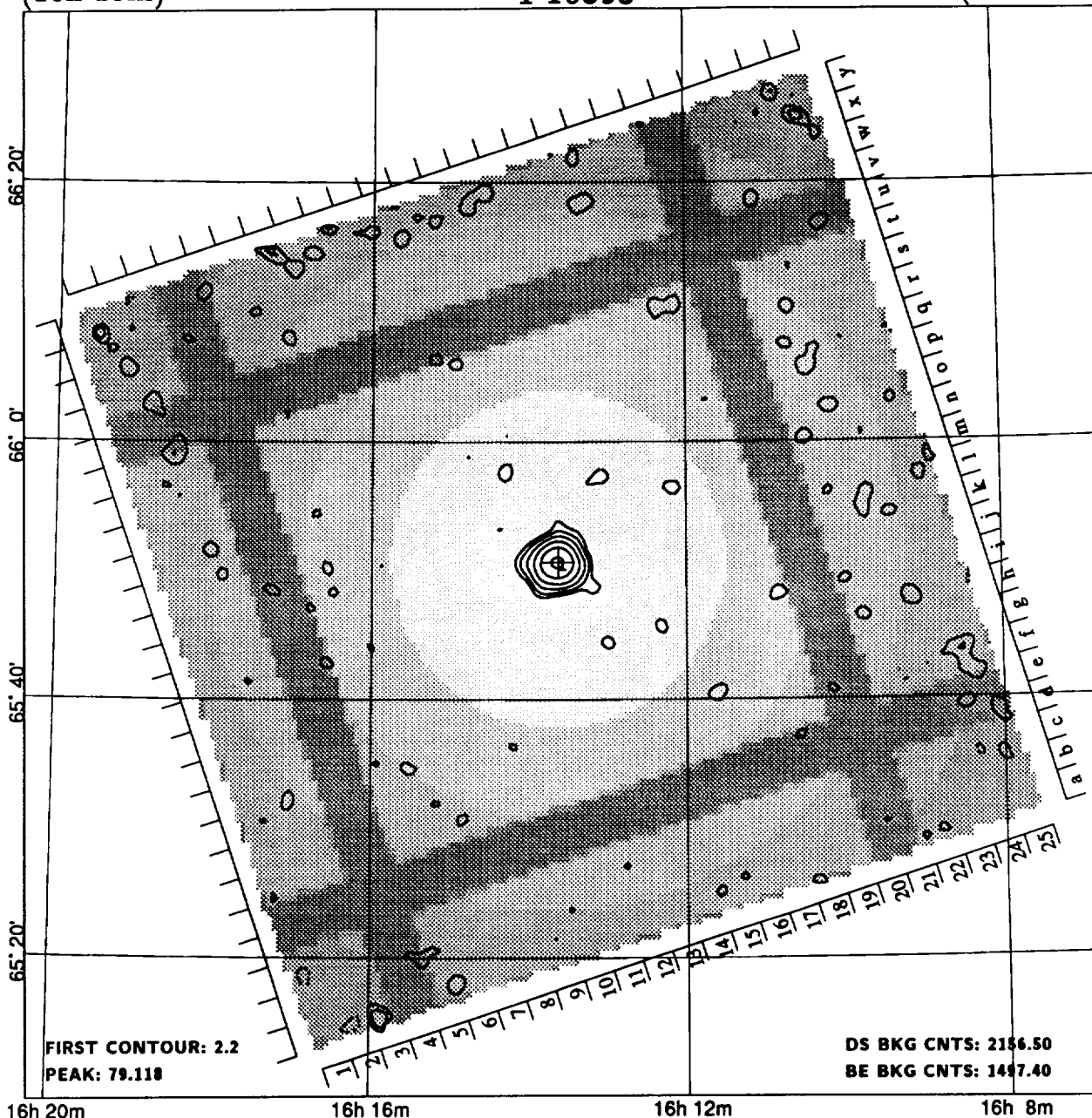
NH: 2.9E+20
REF/ID:
FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3624	1L	16 13 38.1	65 50 34	31	0.234	0.017	300.9	59.1	13.7	1.3	0	1.1	A *

(16h 13m)

I 10395

(16h 13m)



FIELD CENTER: $16^{\text{h}}13^{\text{m}}33.4^{\text{s}}$ $65^{\circ}51'25''$ (B1950)
 $16^{\text{h}}13^{\text{m}}54.2^{\text{s}}$ $65^{\circ}43'57''$ (J2000)
 $l: 98.29$ $b: 40.37$

DATE: 1981/ 37 - 1981/ 37
 LIVETIME: 1747.5s
 ROLL ANGLE: -108.1°

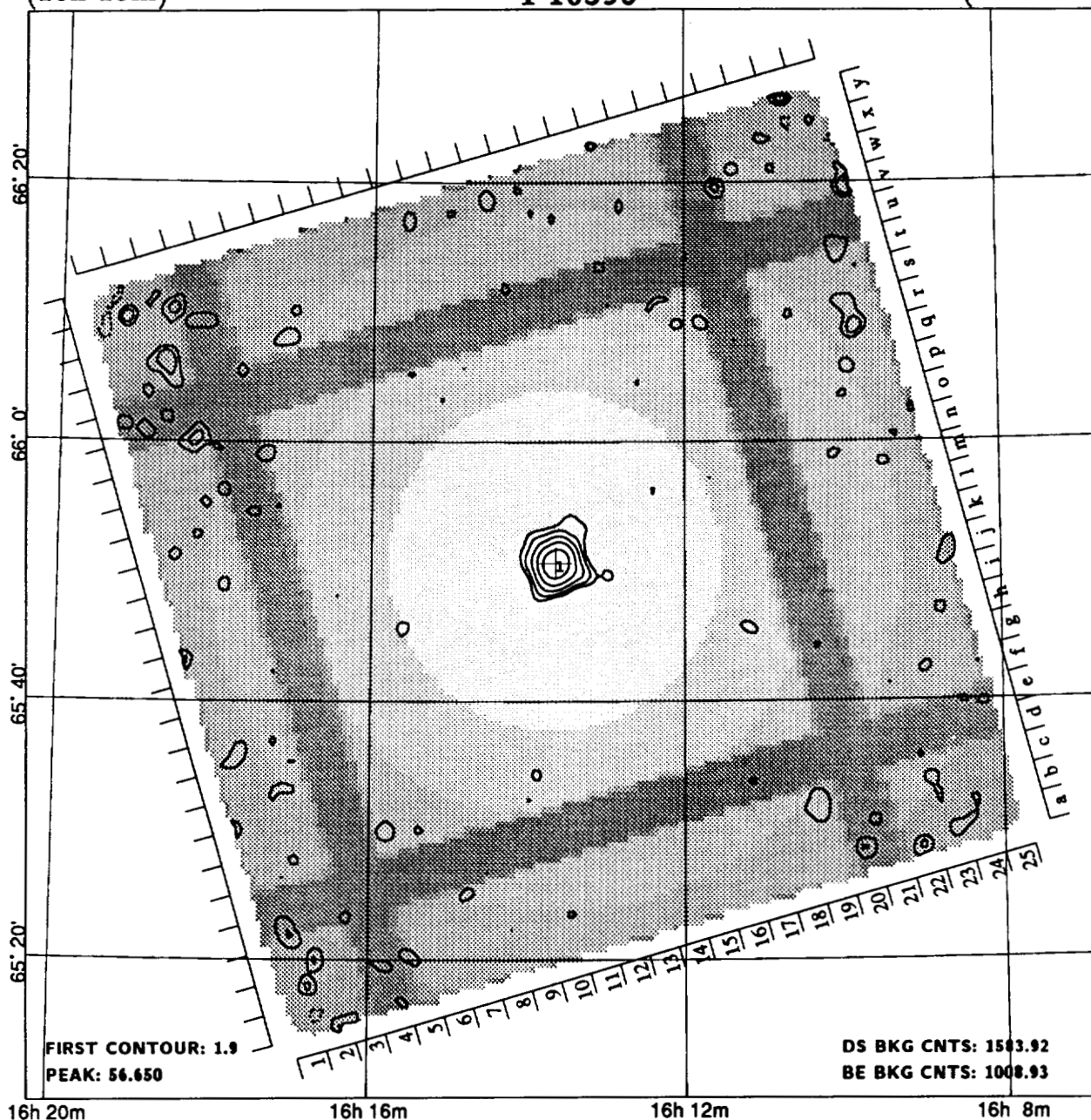
NH: $2.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3624	1L	16 13 37.7	65 50 39	31	0.227	0.016	295.9	51.1	13.8	1.3	0	0.9	A	*

(16h 13m)

I 10396

(16h 13m)



PG 1613+65, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: $16^{\text{h}}13^{\text{m}}33.4^{\text{s}}$ $65^{\circ}51'25''$ (B1950)
 $16^{\text{h}}13^{\text{m}}54.2^{\text{s}}$ $65^{\circ}43'57''$ (J2000)
 ℓ : 98.29 b : 40.37

DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 1283.5s
 ROLL ANGLE: -105.9°

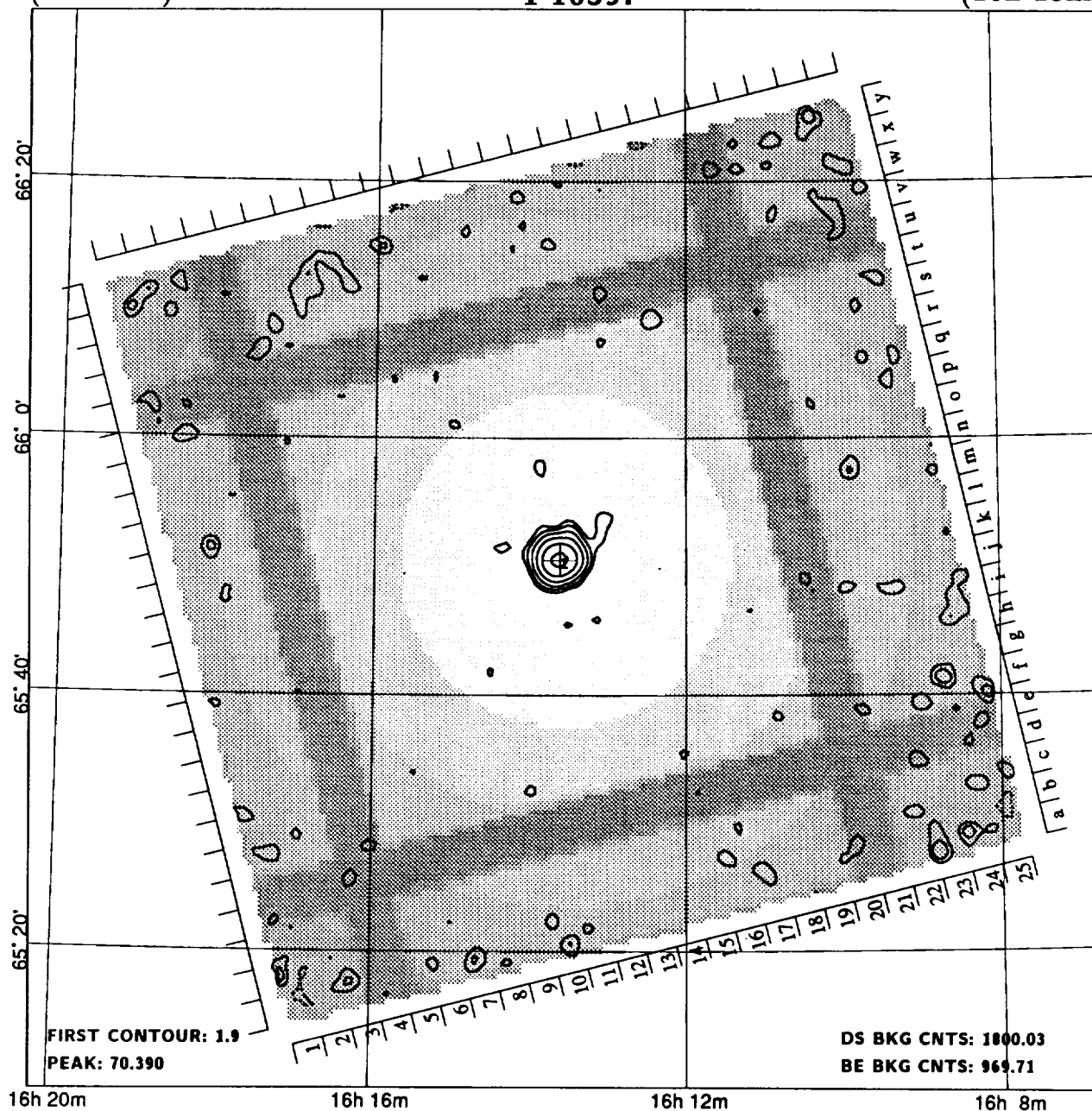
NH: $2.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3624	1	16 13 38.8	65 50 36	31	0.247	0.016	237.1	6.9	15.2	1.3	0	1.1	AH	•

(16h 13m)

I 10397

(16h 13m)



FIELD CENTER: $16^h 13^m 33.4^s$ $65^\circ 51' 25''$ (B1950)
 $16^h 13^m 54.2^s$ $65^\circ 43' 57''$ (J2000)
 $l: 98.29$ $b: 40.37$

DATE: 1981/ 41 - 1981/ 41

NH: 2.9E+20

LIVETIME: 1458.6s

REF/ID:

ROLL ANGLE: -104.3°

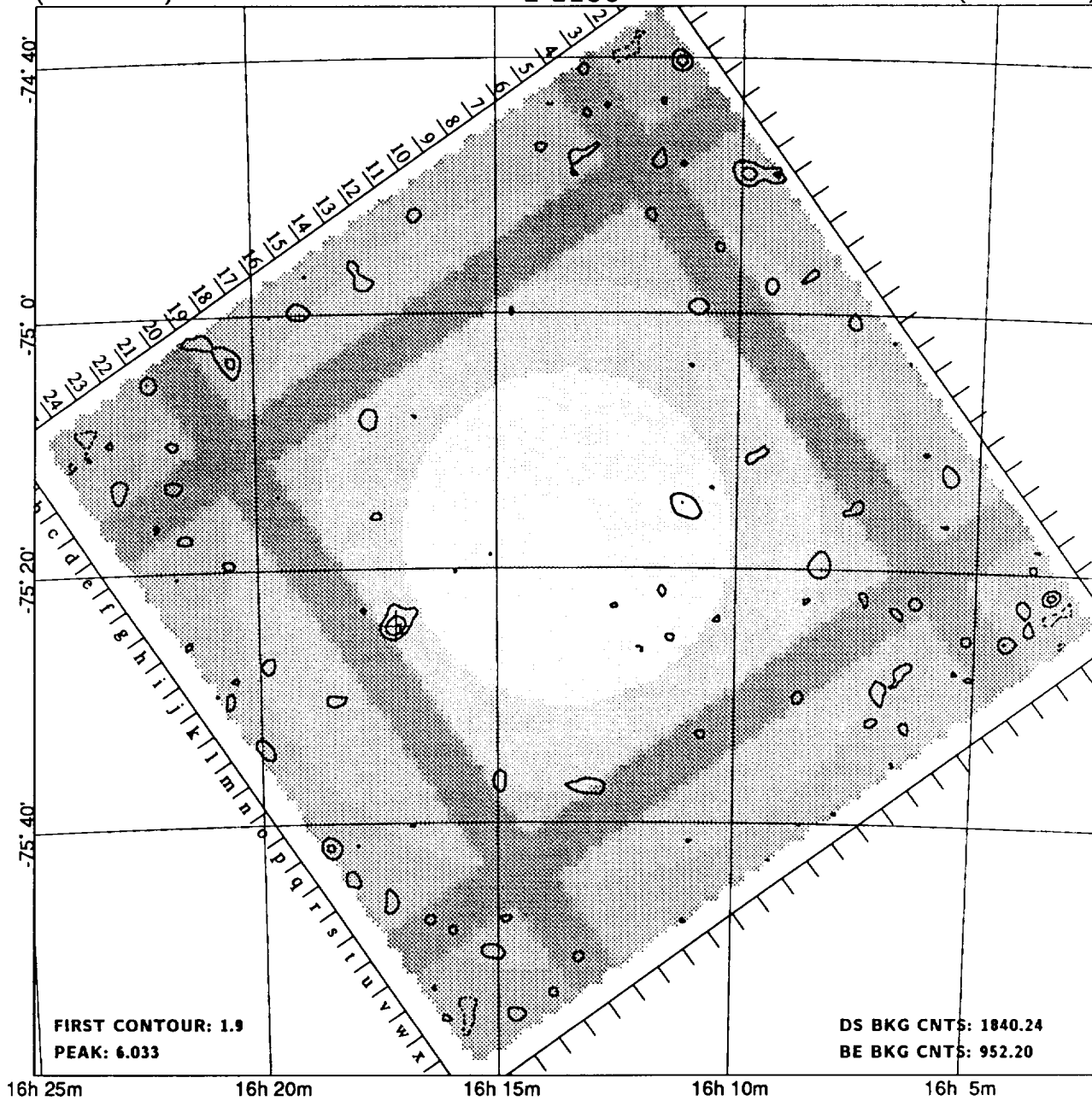
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3624	1	16 13 37.3	65 50 35	31	0.296	0.017	322.1	6.9	17.8	1.3	0	0.9	AH	*

(16h 13m)

I 1138

(16h 13m)



2A1556-756, UNIDENTIFIED HIGH LATITUDE SOURCE

FIELD CENTER: $16^{\text{h}}13^{\text{m}}36.0^{\text{s}}$ $-75^{\circ}17'59''$ (B1950)
 $16^{\text{h}}20^{\text{m}}00.1^{\text{s}}$ $-75^{\circ}25'15''$ (J2000)
 $l: 314.97$ $b: -17.69$

DATE: 1979/278 - 1979/278
 LIVETIME: 1491.2s
 ROLL ANGLE: 54.8°

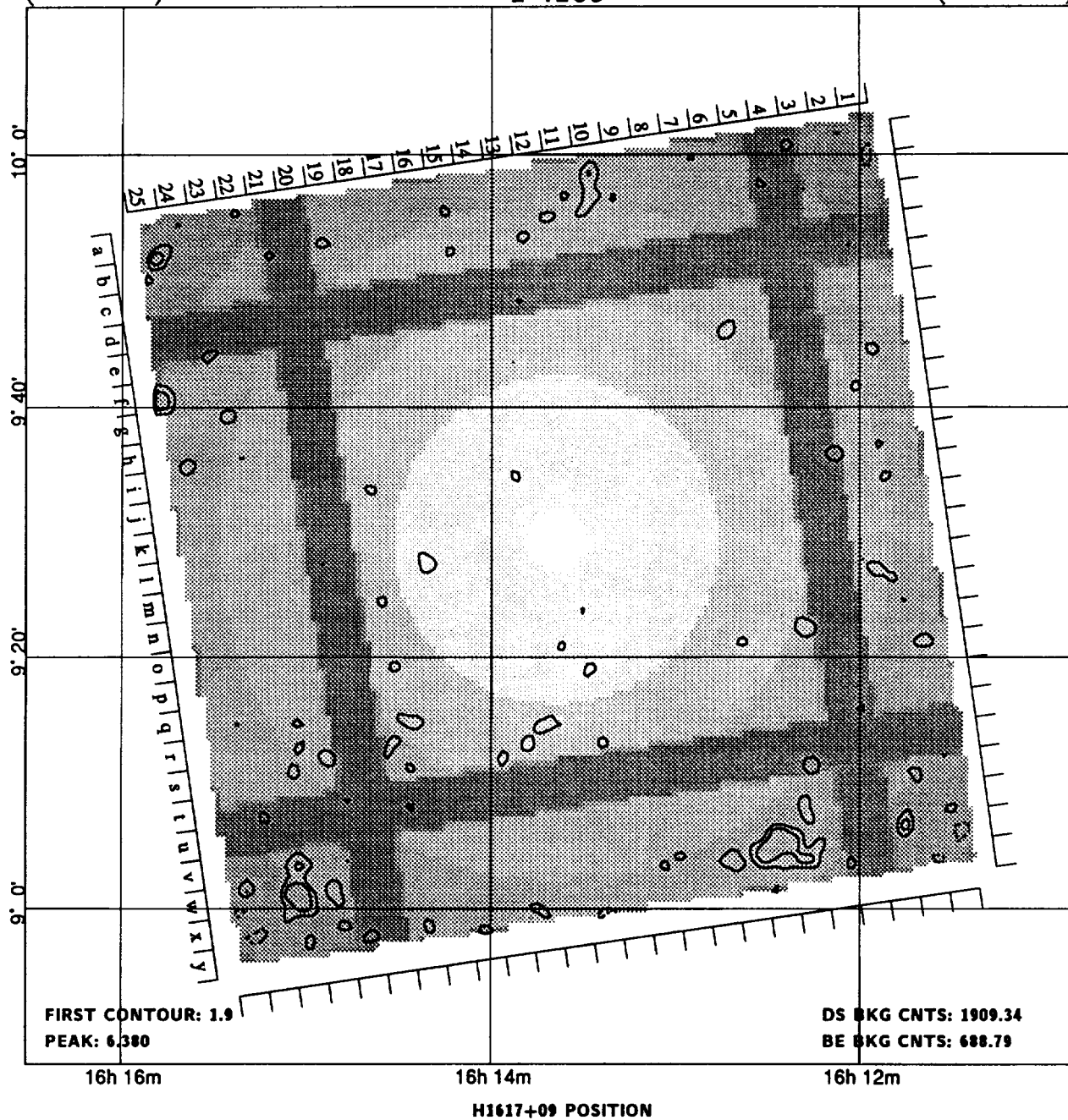
NH: $7.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3644	1	16 17 08.3	-75 24 32	46	0.0191	0.0054	16.7	5.3	3.6	0.8	300	14.3	H	

(16h 13m)

I 4109

(16h 13m)



FIELD CENTER: $16^{\text{h}}13^{\text{m}}40.9^{\text{s}}$ $09^{\circ}29'41''$ (B1950)
 $16^{\text{h}}16^{\text{m}}04.7^{\text{s}}$ $09^{\circ}22'18''$ (J2000)
 ℓ : 22.81 b : 38.68

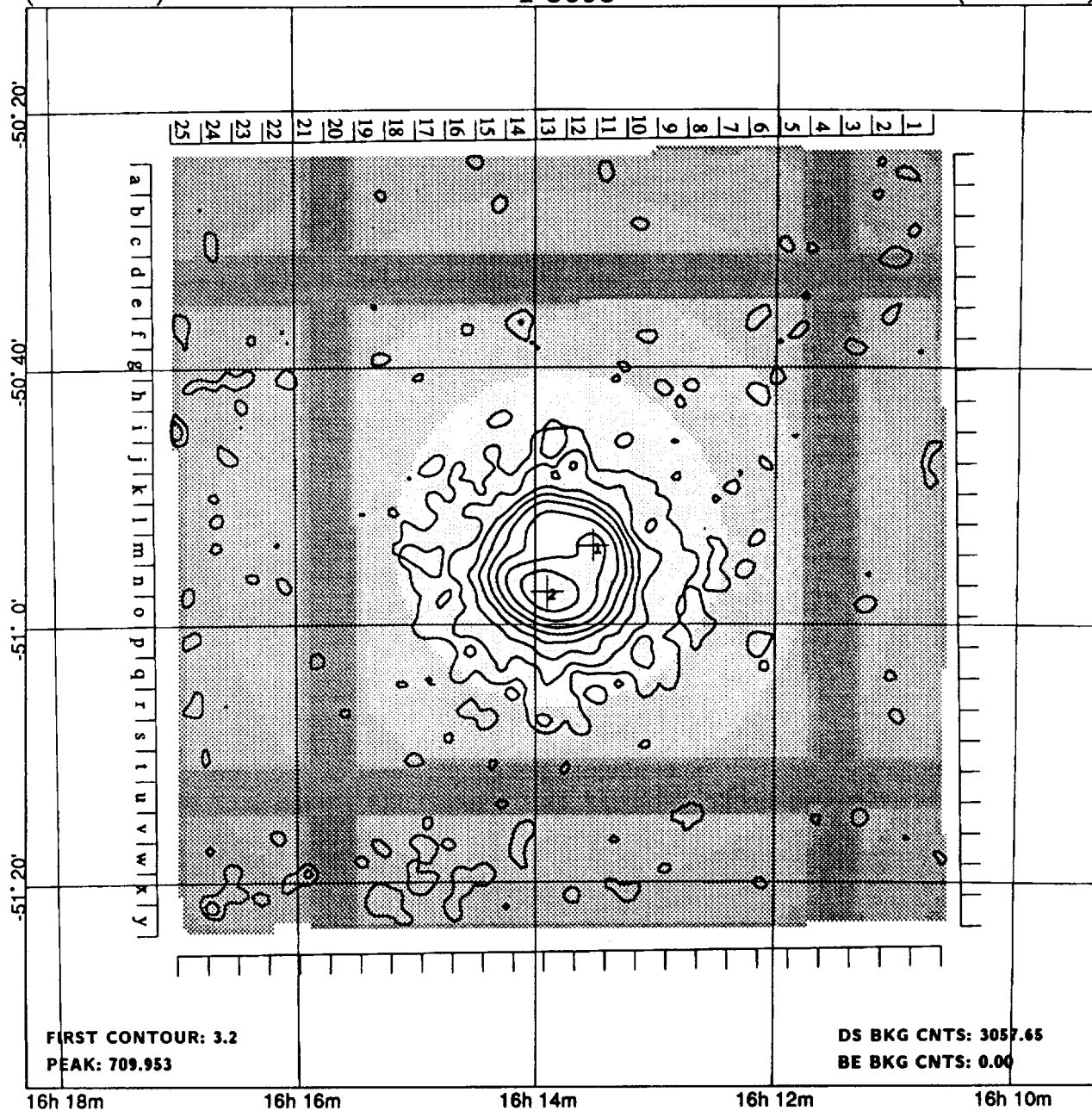
DATE: 1979/242 - 1979/242
 LIVETIME: 1547.2s
 ROLL ANGLE: 81.7°

NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(16h 13m)

I 3095

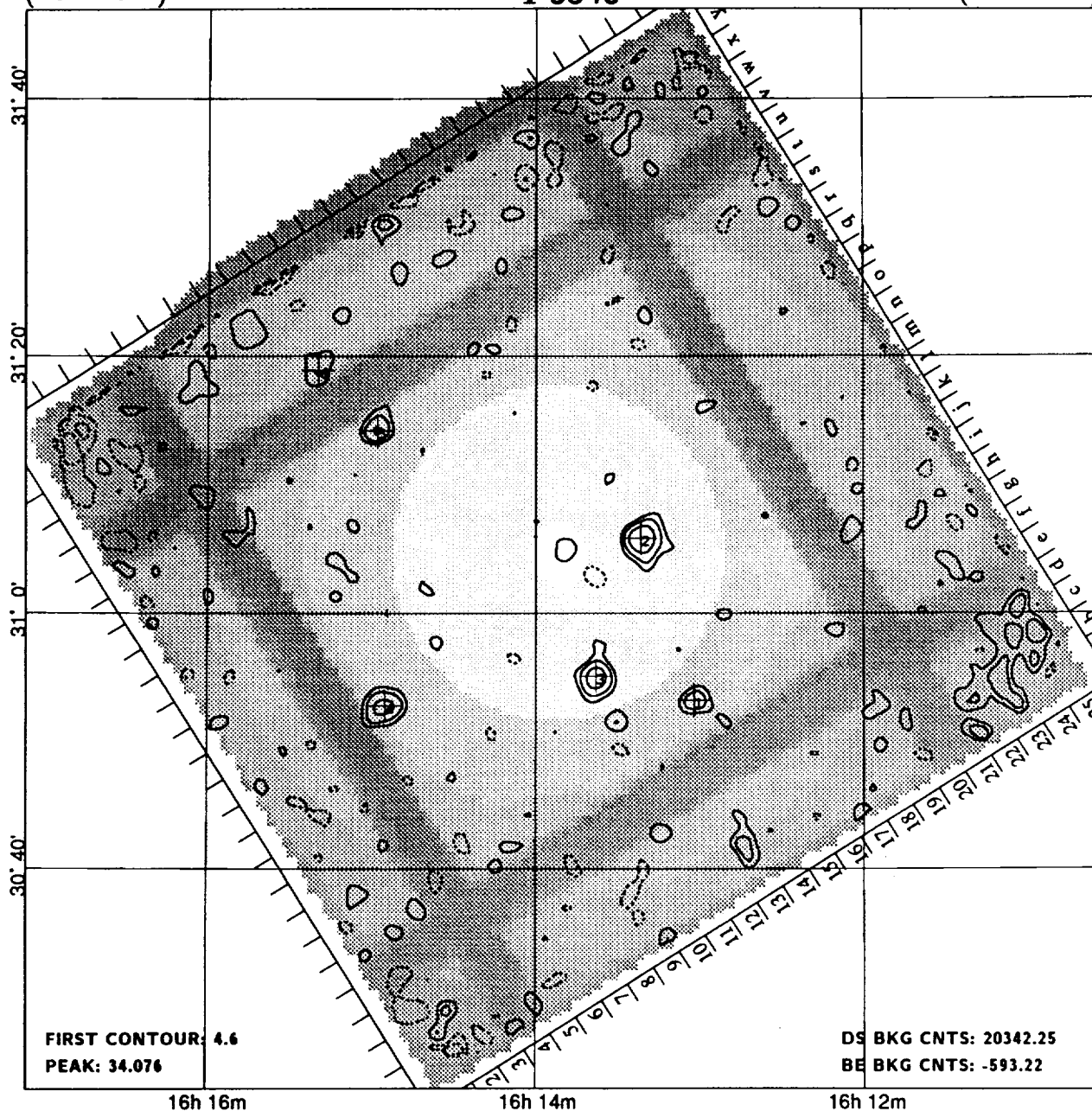
(16h 13m)



(16h 13m)

I 3548

(16h 13m)



CL 1613+3104, CLUSTER SPECTRA EVOLUTION

FIELD CENTER: $16^h 13^m 50.0^s$ $31^\circ 04' 56''$ (B1950)
 $16^h 15^m 47.7^s$ $30^\circ 57' 33''$ (J2000)
 $l: 50.58$ $b: 45.56$

DATE: 1979/ 27 - 1979/ 30
 LIVETIME: 16484.0s
 ROLL ANGLE: -122.1°

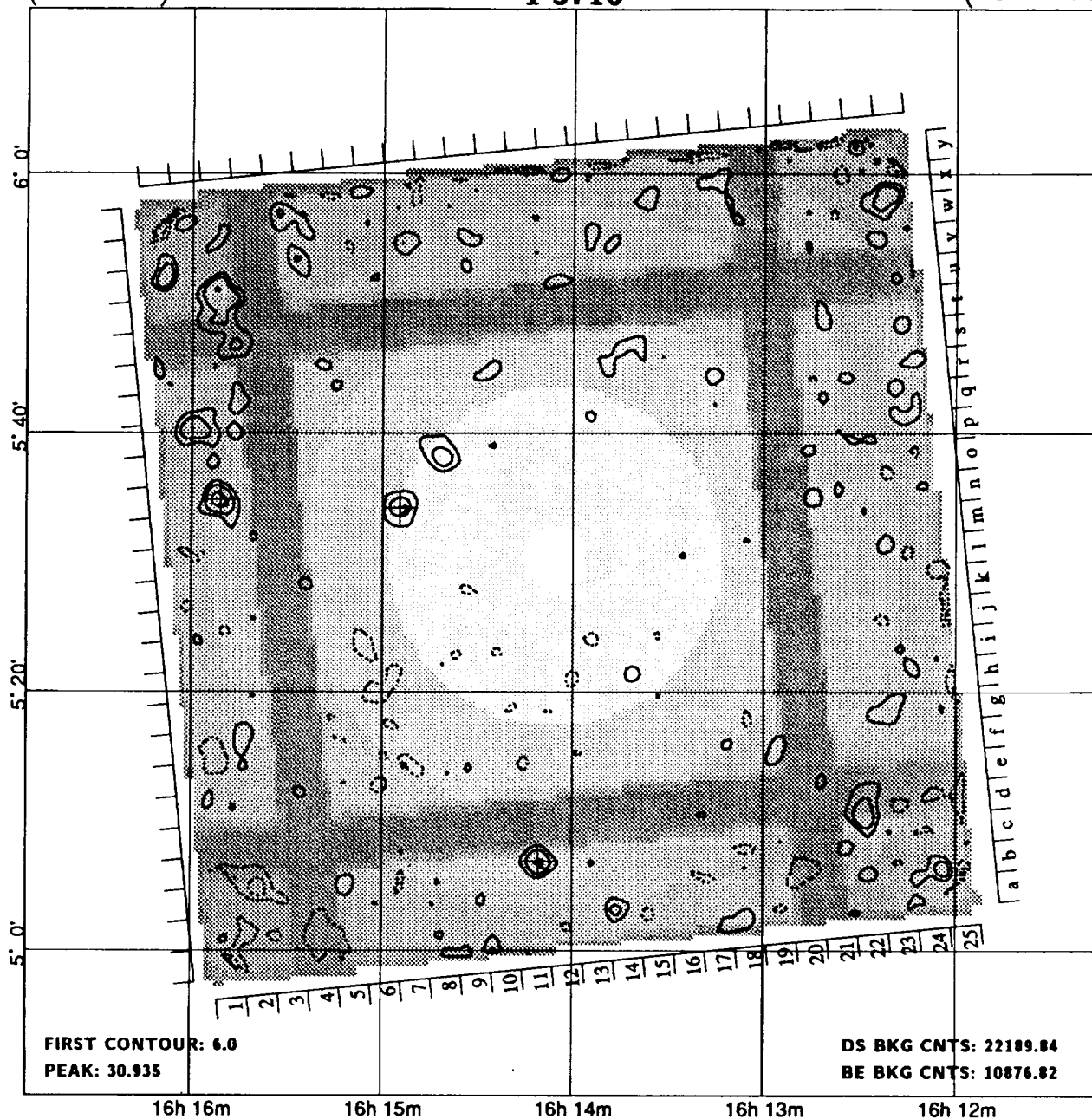
NH: $2.4E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3619	1	16 13 01.9	30 53 10	51	0.00424	0.00092	40.7	36.3	4.6	0.7	0	15.5	
3622	2	16 13 21.4	31 05 50	38	0.0113	0.0012	130.8	47.2	9.8	1.0	0	6.1	H
3625	3	16 13 37.8	30 55 03	38	0.0087	0.0011	95.5	40.5	8.2	0.9	0	10.1	H
3631	4	16 14 55.1	30 52 47	50	0.0086	0.0012	76.6	32.4	7.3	0.9	300	18.5	H
3632	5	16 14 58.2	31 14 12	50	*0.0061	0.0011	55.9	39.1	5.7	0.8	401	17.3	H
3635	6	16 15 19.9	31 18 54	69	*0.0037	0.0010	27.3	28.7	3.6	0.7	704	23.5	H

(16h 14m)

I 3716

(16h 14m)



FIELD CENTER: $16^{\text{h}}14^{\text{m}}03.1^{\text{s}}$ $05^{\circ}30'46''$ (B1950)
 $16^{\text{h}}16^{\text{m}}31.1^{\text{s}}$ $05^{\circ}23'24''$ (J2000)
 $l: 18.46$ $b: 36.67$

DATE: 1980/ 63 - 1980/ 64
 LIVETIME: 17981.1s
 ROLL ANGLE: -95.7°

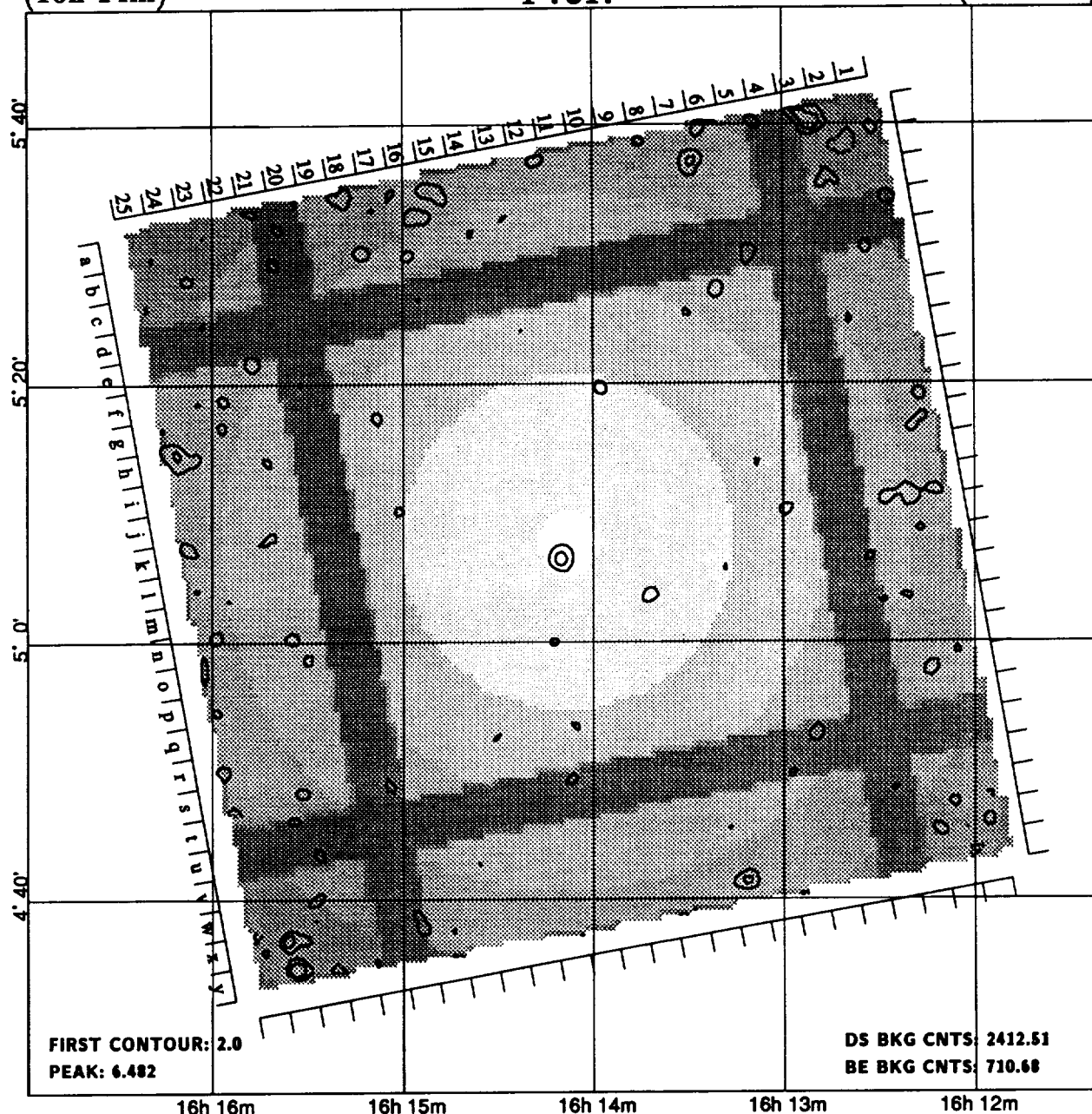
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3628	1L	16 14 10.7	05 06 57	51	*0.0075	0.0017	61.3	46.7	4.2	0.8	601	24.0		Q
3630	2L	16 14 54.6	05 34 14	41	0.0055	0.0013	62.2	75.8	4.2	0.8	0	13.1		AGN
3638	3L	16 15 50.9	05 34 51	51	0.0077	0.0018	55.8	53.2	4.2	0.9	0	27.2		

(16h 14m)

I 7517

(16h 14m)



PKS 1614+051, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: $16^{\text{h}}14^{\text{m}}09.1^{\text{s}}$ $05^{\circ}07'03''$ (B1950)
 $16^{\text{h}}16^{\text{m}}37.5^{\text{s}}$ $04^{\circ}59'42''$ (J2000)
 l : 18.05 b : 36.45

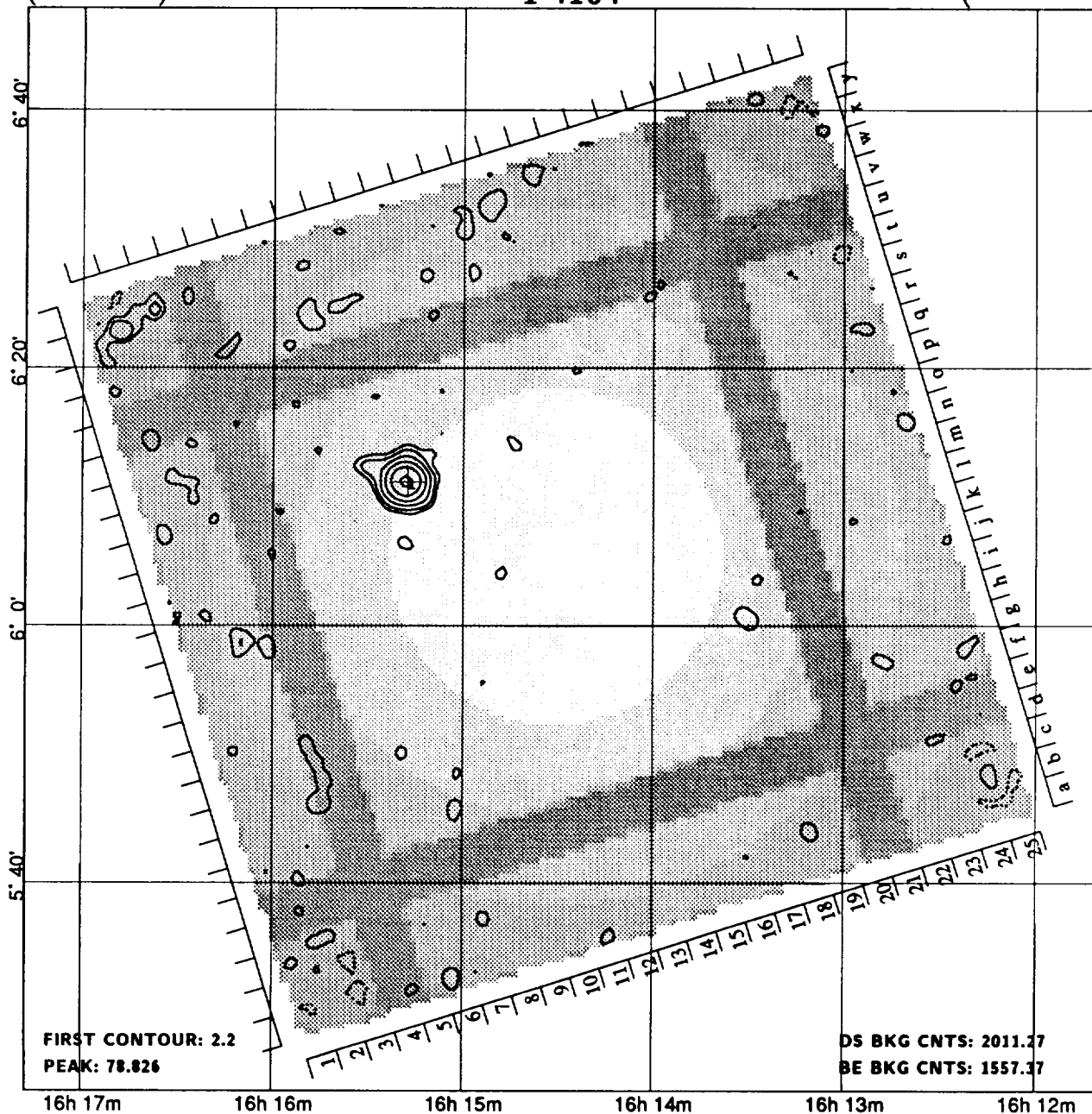
DATE: 1980/239 - 1980/239
 LIVETIME: 1954.9s
 ROLL ANGLE: 79.8°

NH: $4.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 14m)

I 4104

(16h 14m)



FIELD CENTER: $16^{\text{h}}14^{\text{m}}28.9^{\text{s}}$ $06^{\circ}05'53''$ (B1950)
 $16^{\text{h}}16^{\text{m}}56.3^{\text{s}}$ $05^{\circ}58'33''$ (J2000)
 $\ell: 19.16$ $b: 36.87$

DATE: 1980/ 38 - 1980/ 38
 LIVETIME: 1629.8s
 ROLL ANGLE: -107.3°

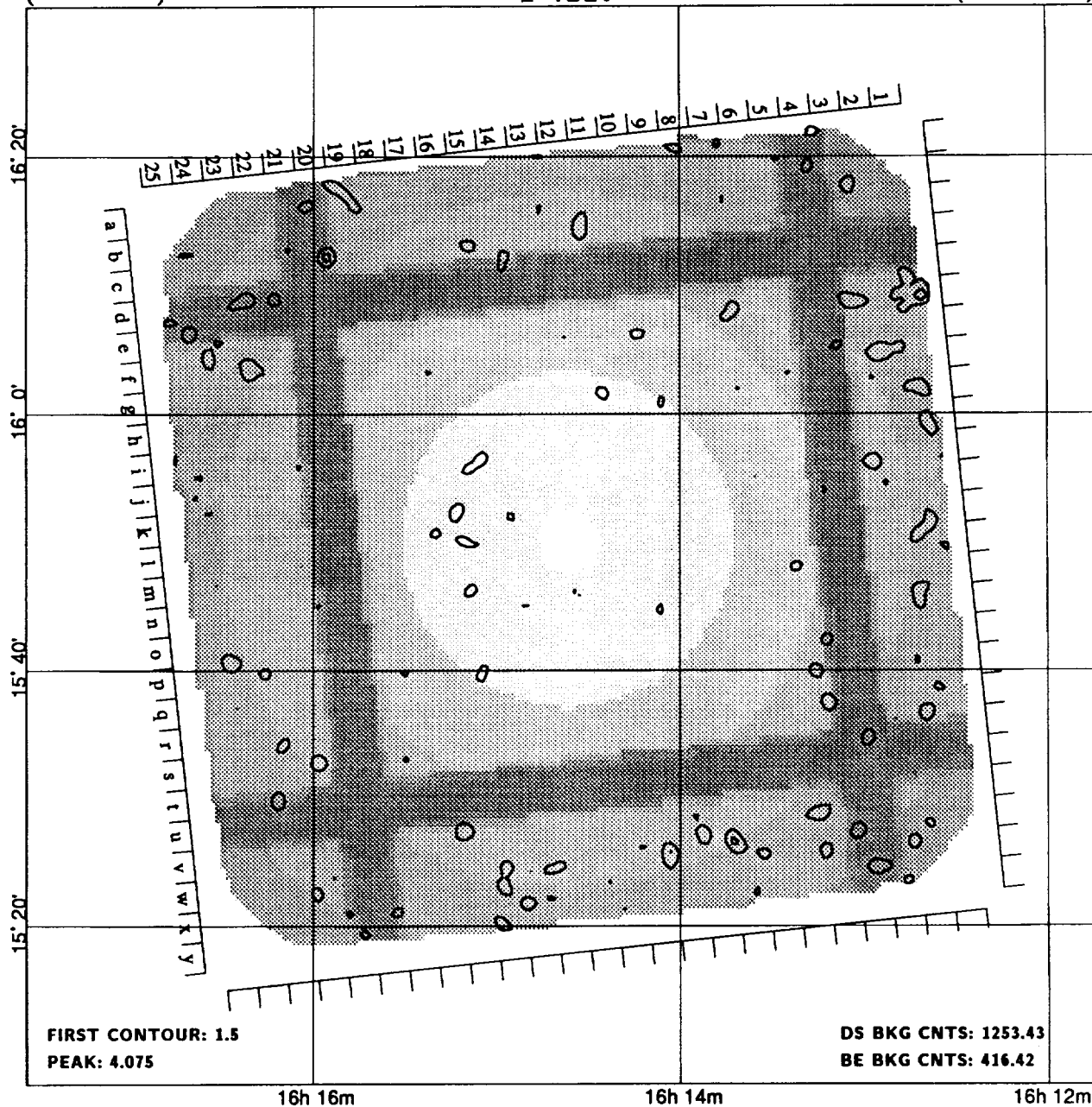
NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3634	1L	16 15 17.7	06 11 13	38	0.245	0.018	248.2	24.8	13.2	1.2	0	13.3		SY

(16h 14m)

I 4117

(16h 14m)



H1628+15 POSITION

FIELD CENTER: $16^h 14^m 38.9^s$ $15^\circ 49' 41''$ (B1950)
 $16^h 16^m 55.7^s$ $15^\circ 42' 21''$ (J2000)
 l : 30.41 b : 41.17

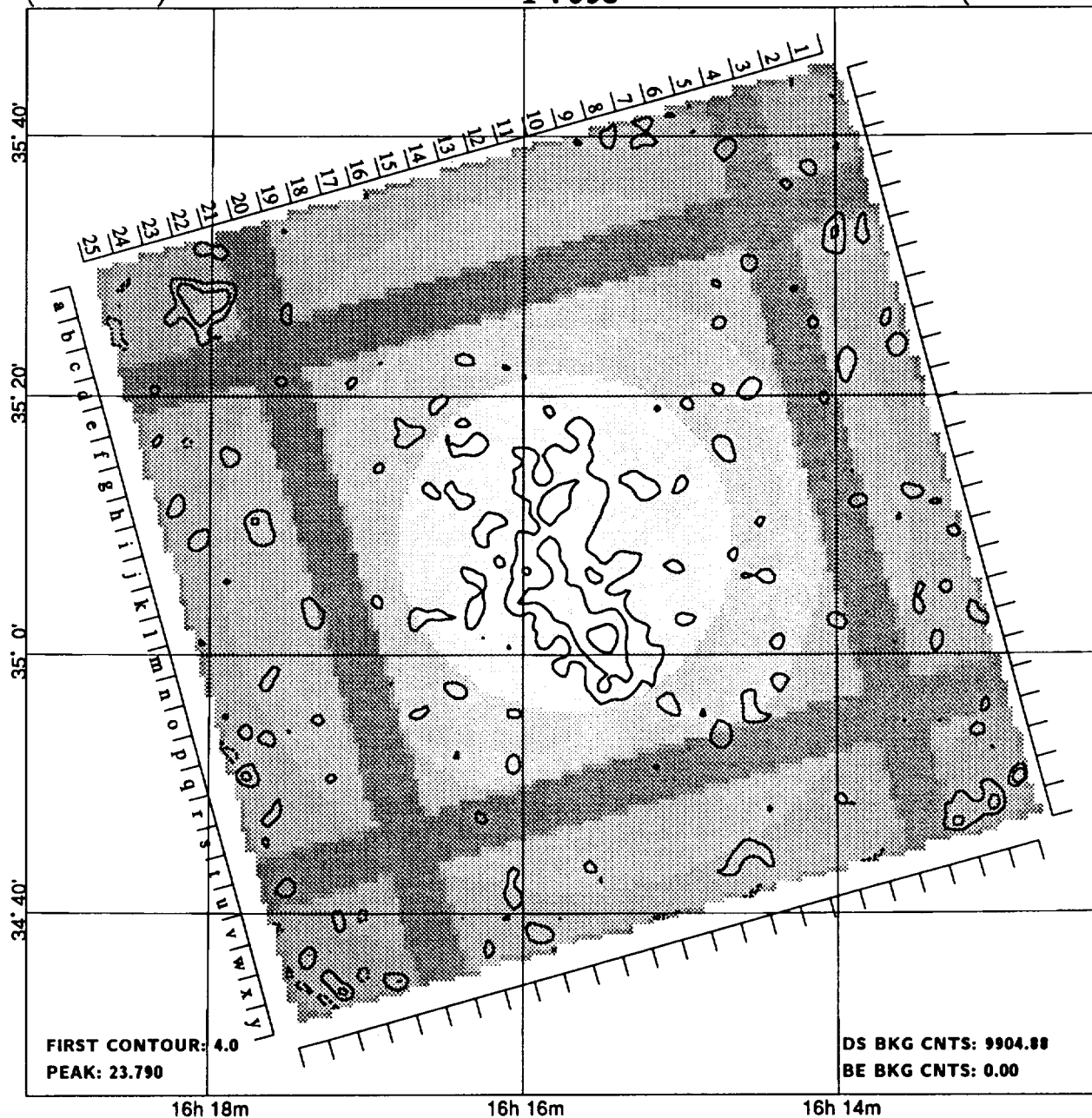
DATE: 1980/233 - 1980/234
 LIVETIME: 1015.7s
 ROLL ANGLE: 84.0°

NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS: L

(16h 15m)

I 7695

(16h 15m)

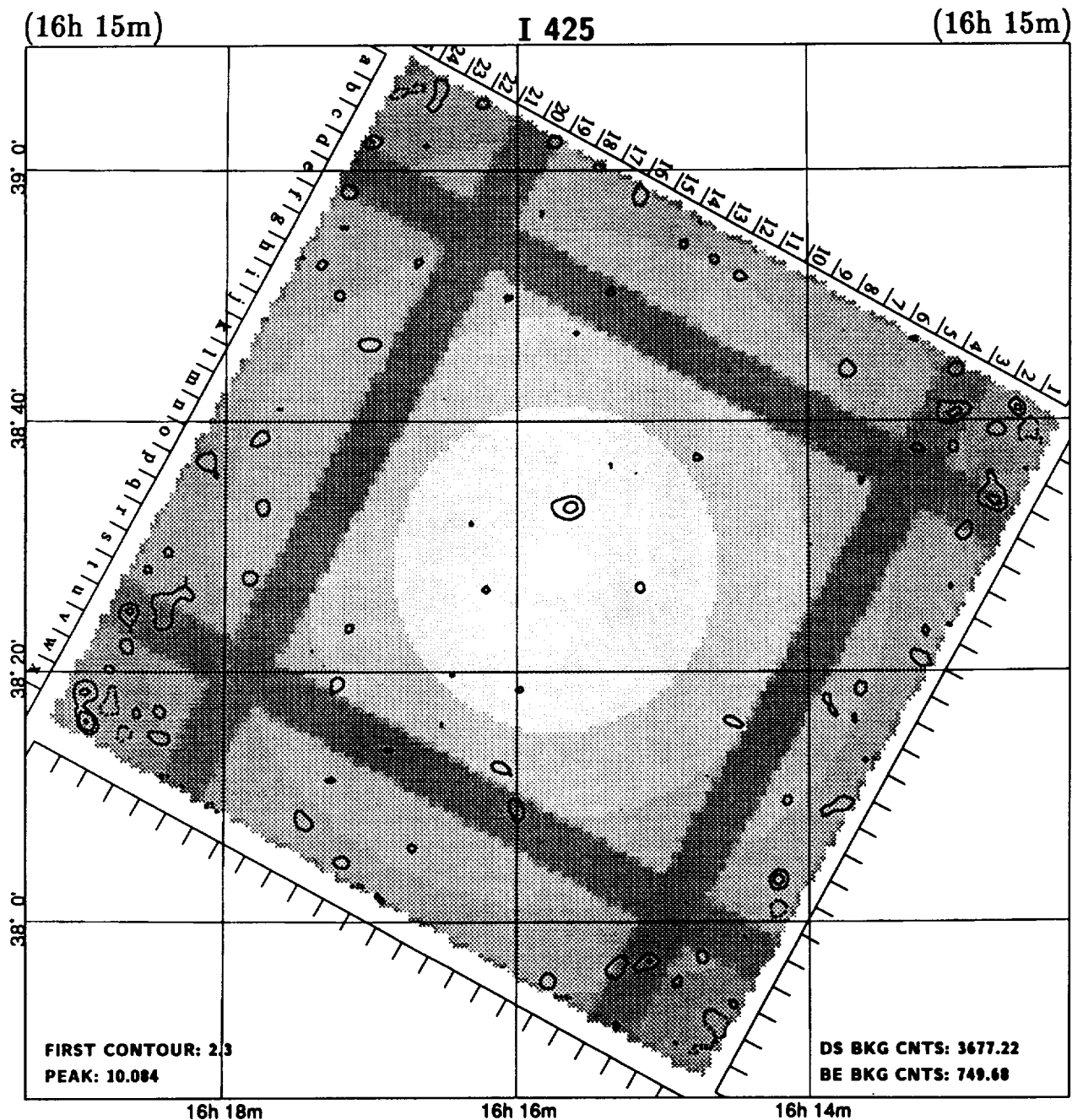


ZW 1615+35, GALAXIES IN CLUSTERS

FIELD CENTER: $16^h 15^m 45.0^s$ $35^\circ 07' 59''$ (B1950)
 $16^h 17^m 36.5^s$ $35^\circ 00' 43''$ (J2000)
 $l: 56.39$ $b: 45.64$

DATE: 1980/229 - 1980/229
LIVETIME: 8026.2s
ROLL ANGLE: 74.6°

NH: $1.4E+20$
REF/ID:
FIELD FLAGS: LS



3C 332, SEYFERT-LIKE RADIO SOURCE

FIELD CENTER: $16^{\text{h}}15^{\text{m}}47.0^{\text{s}}$ $38^{\circ}27'59''$ (B1950)
 $16^{\text{h}}17^{\text{m}}33.1^{\text{s}}$ $38^{\circ}20'43''$ (J2000)
 $l: 61.16$ $b: 45.82$

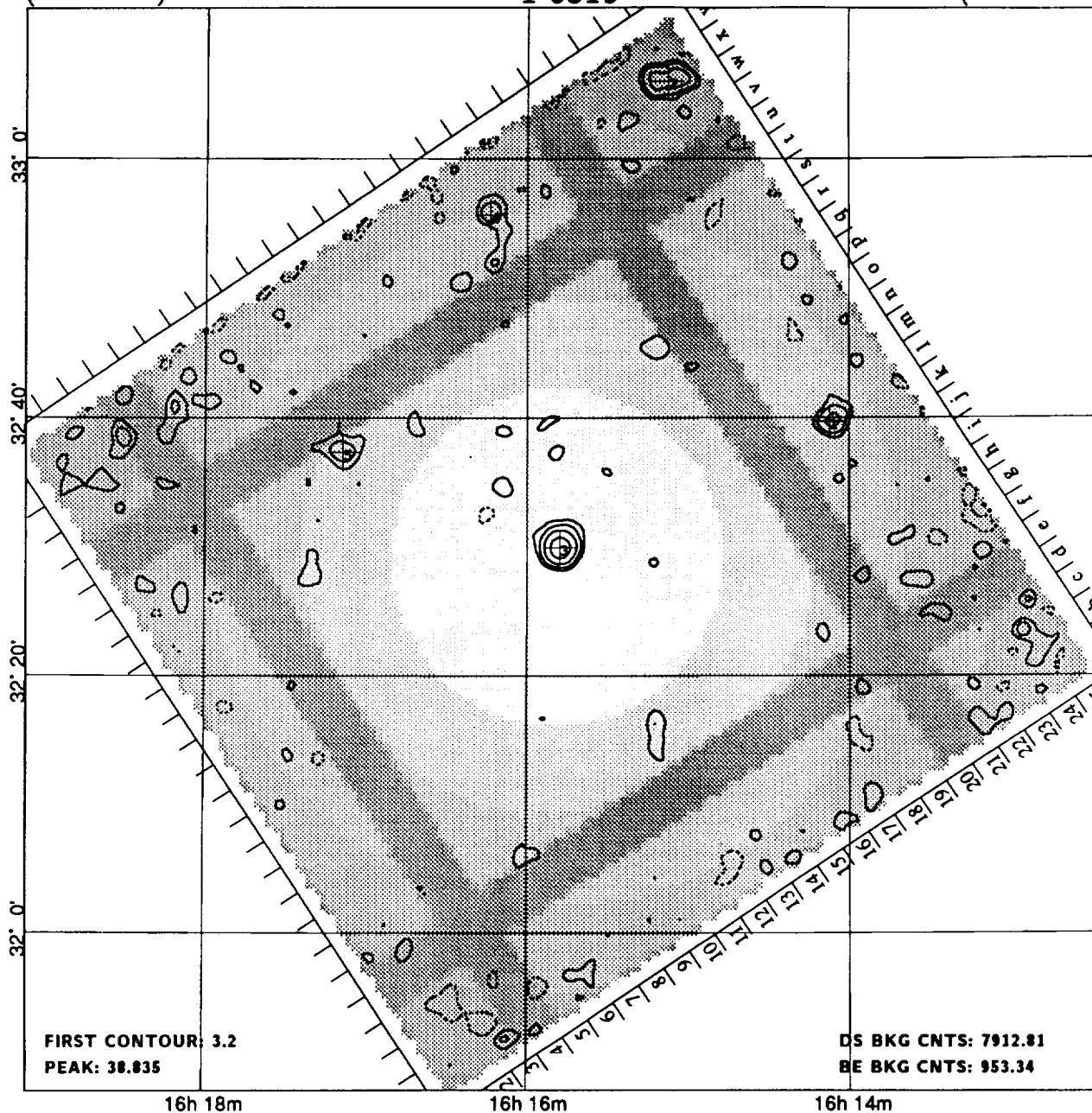
DATE: 1980/278 - 1980/279
 LIVETIME: 2979.7s
 ROLL ANGLE: 118.7°

NH: $1.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 15m)

I 6319

(16h 15m)



3CR 332, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: $16^{\text{h}}15^{\text{m}}47.3^{\text{s}}$ $32^{\circ}29'44''$ (B1950)
 $16^{\text{h}}17^{\text{m}}42.8^{\text{s}}$ $32^{\circ}22'28''$ (J2000)
 $l: 52.65$ $b: 45.35$

DATE: 1980/ 22 - 1980/ 22

NH: $2.0\text{E}+20$

LIVETIME: 6412.0s

REF/ID:

ROLL ANGLE: -123.5°

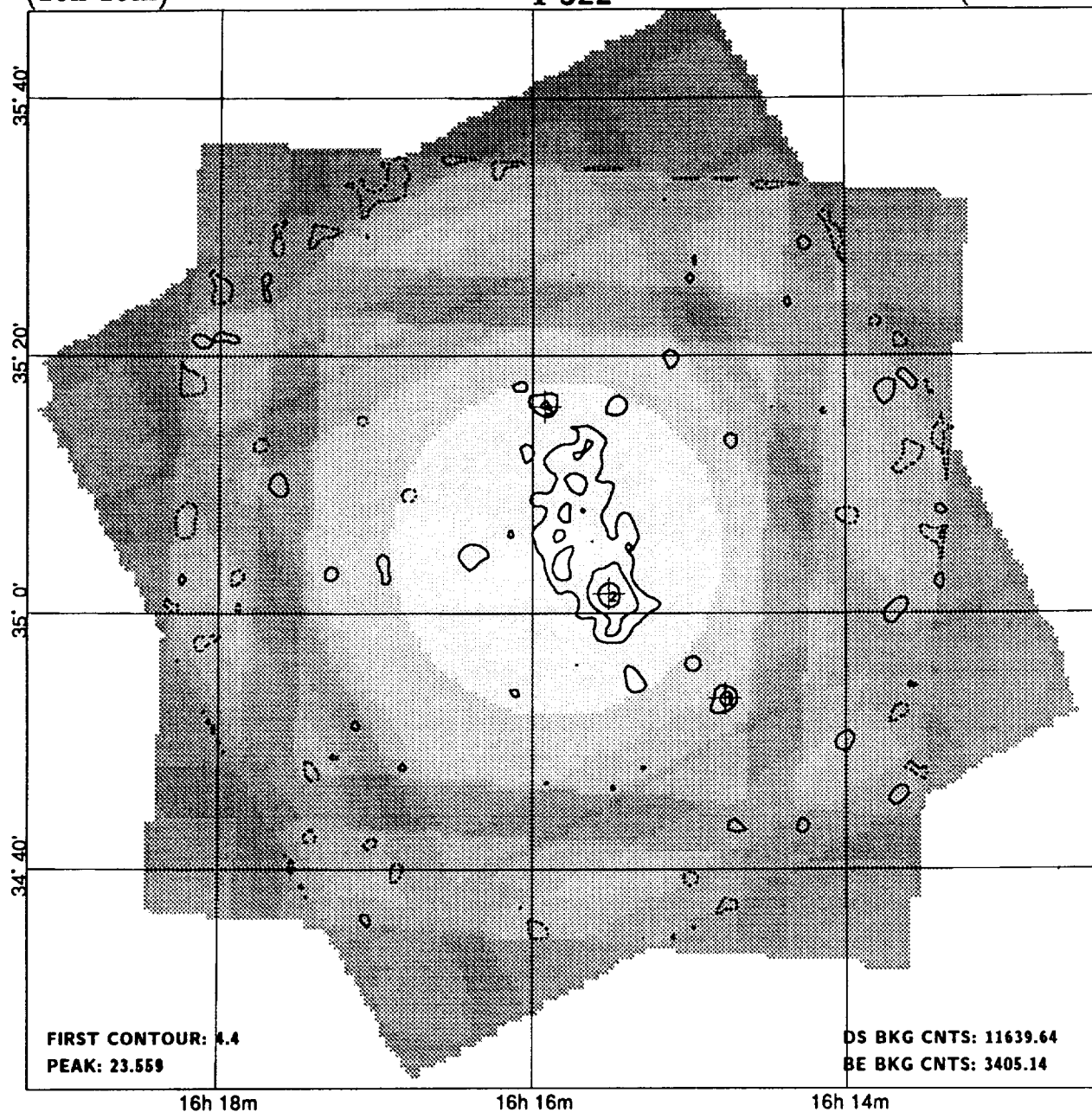
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3627	1	16 14 07.3	32 39 42	51	0.0117	0.0025	33.8	16.2	4.8	0.8	0	23.4	H	
3633	2	16 15 07.5	33 06 00	60	0.0185	0.0044	26.5	12.5	4.2	1.5	0	36.8	H	
3637	3	16 15 47.7	32 29 50	31	0.0317	0.0028	151.2	21.8	11.5	1.0	0	0.2	H	
3642	4	16 16 13.8	32 55 41	55	0.0081	0.0023	20.4	13.6	3.5	1.2	0	26.6		
3645	5	16 17 08.8	32 37 19	52	*0.0077	0.0019	26.1	15.9	4.0	0.9	501	18.8	H	

(16h 15m)

I 322

(16h 15m)



ZW 1615.8 CLUSTERS WITH TAILED RADIO SOURCES

FIELD CENTER: $16^h 15^m 47.9^s$ $35^\circ 04' 59''$ (B1950)
 $16^h 17^m 39.5^s$ $34^\circ 57' 43''$ (J2000)
 $l: 56.32$ $b: 45.63$

DATE: 1979/ 28 - 1980/ 67
 LIVETIME: 9432.0s

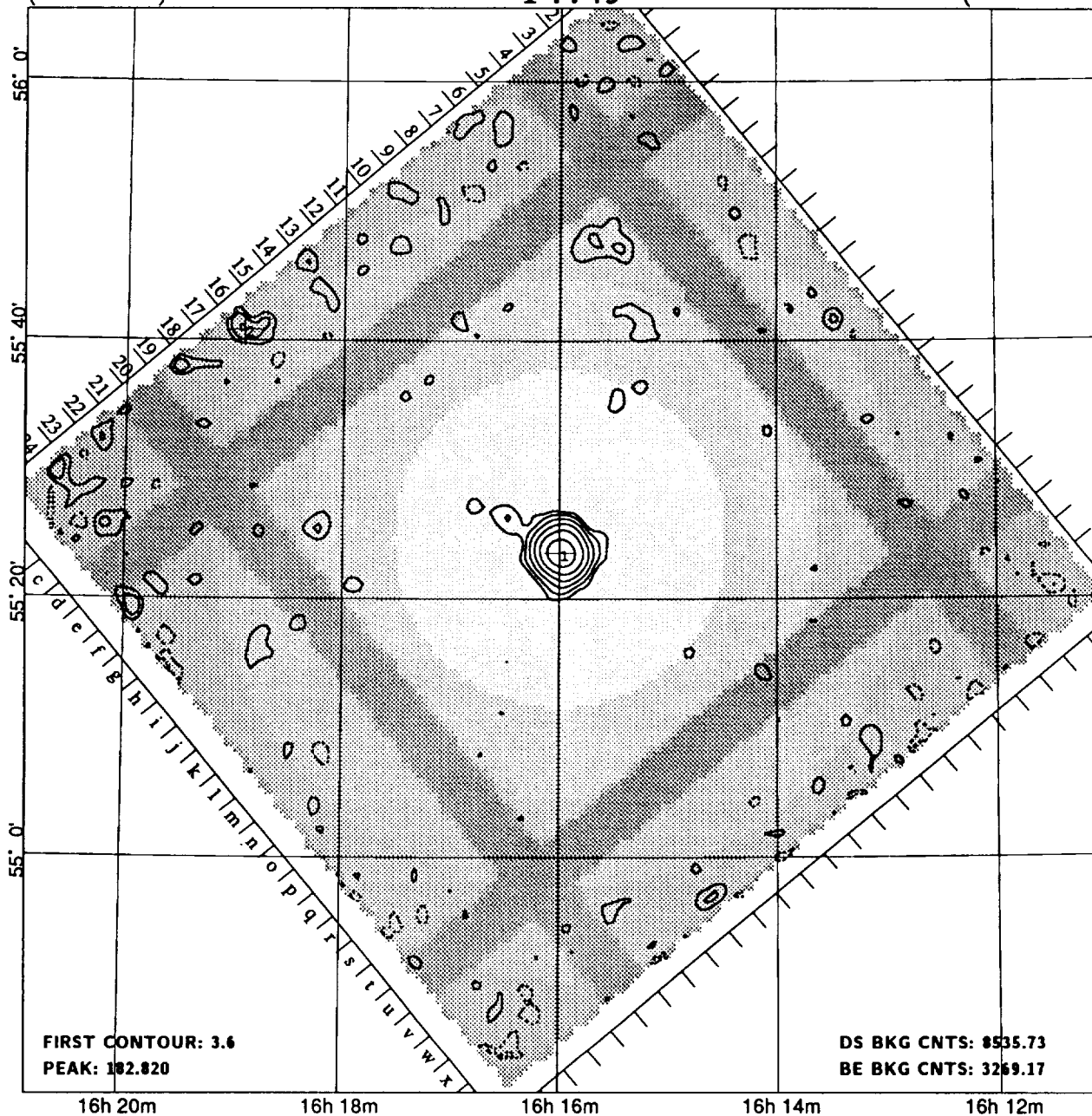
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3629	1	16 14 46.1	34 53 20	55	0.0052	0.0014	26.9	27.1	3.7	0.6	100	17.2		
3636	2	16 15 30.8	35 01 31	32	0.0152	0.0018	102.7	40.3	8.6	4.9	0	4.9	H	S
3640	3	16 15 55.3	35 16 04	45	0.0046	0.0013	28.3	32.7	3.6	0.6	0	11.4	H	

(16h 15m)

I 7749

(16h 15m)



CR DRA, SELECTED BY DRACONIS STARS

FIELD CENTER: $16^{\text{h}}15^{\text{m}}59.0^{\text{s}}$ $55^{\circ}23'47''$ (B1950)
 $16^{\text{h}}17^{\text{m}}05.8^{\text{s}}$ $55^{\circ}16'30''$ (J2000)
 $l: 84.91$ $b: 43.71$

DATE: 1980/201 - 1980/202
 LIVETIME: 6916.8s
 ROLL ANGLE: 50.4°

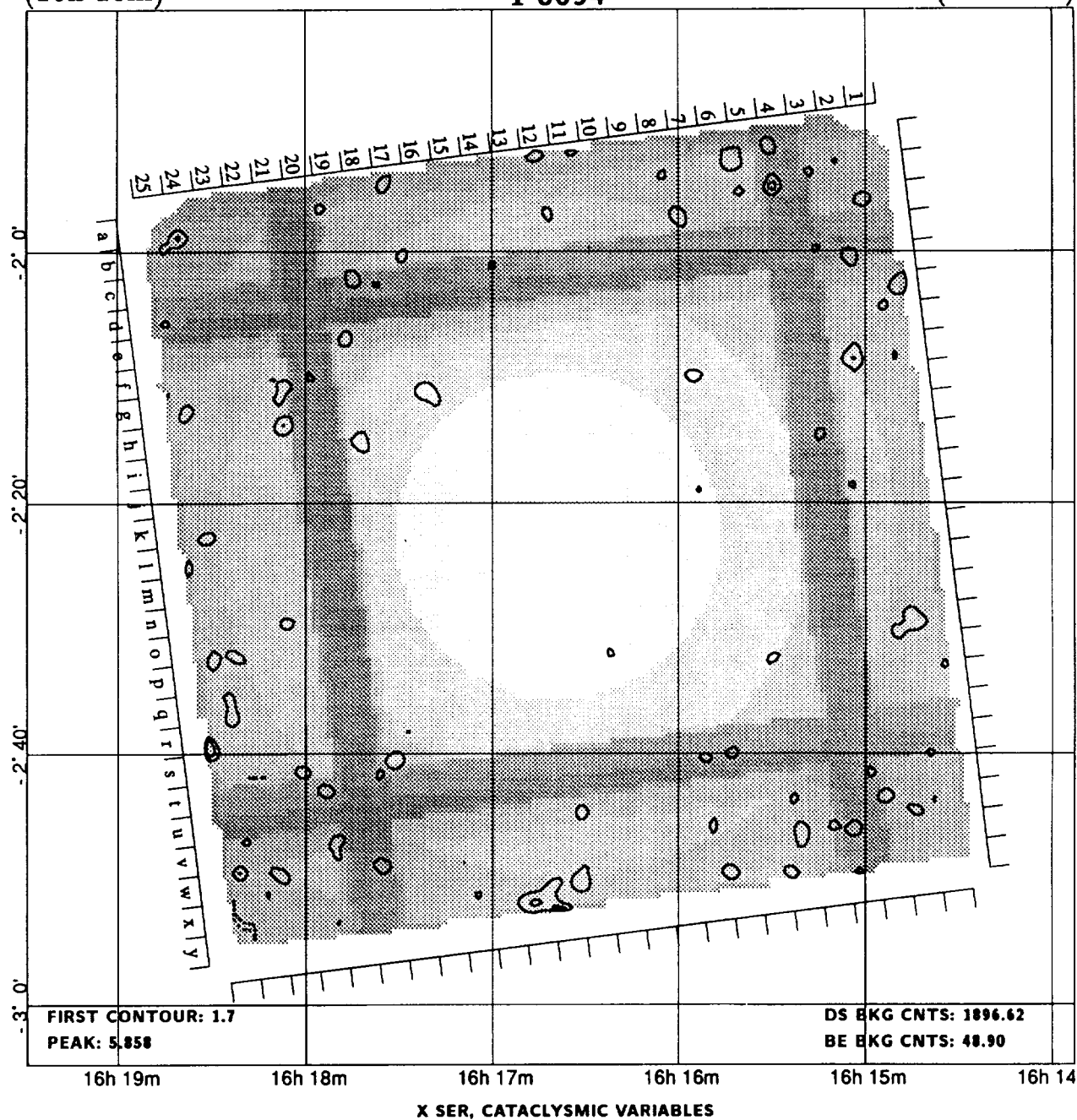
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3641	1	16 15 59.5	55 23 35	31	0.1706	0.0059	878.1	30.9	29.1	1.5	0	0.2	H	S
3654	2	16 18 55.2	55 40 47	55	0.0097	0.0026	23.4	16.6	3.7	1.0	300	30.1	H	

(16h 16m)

I 8694

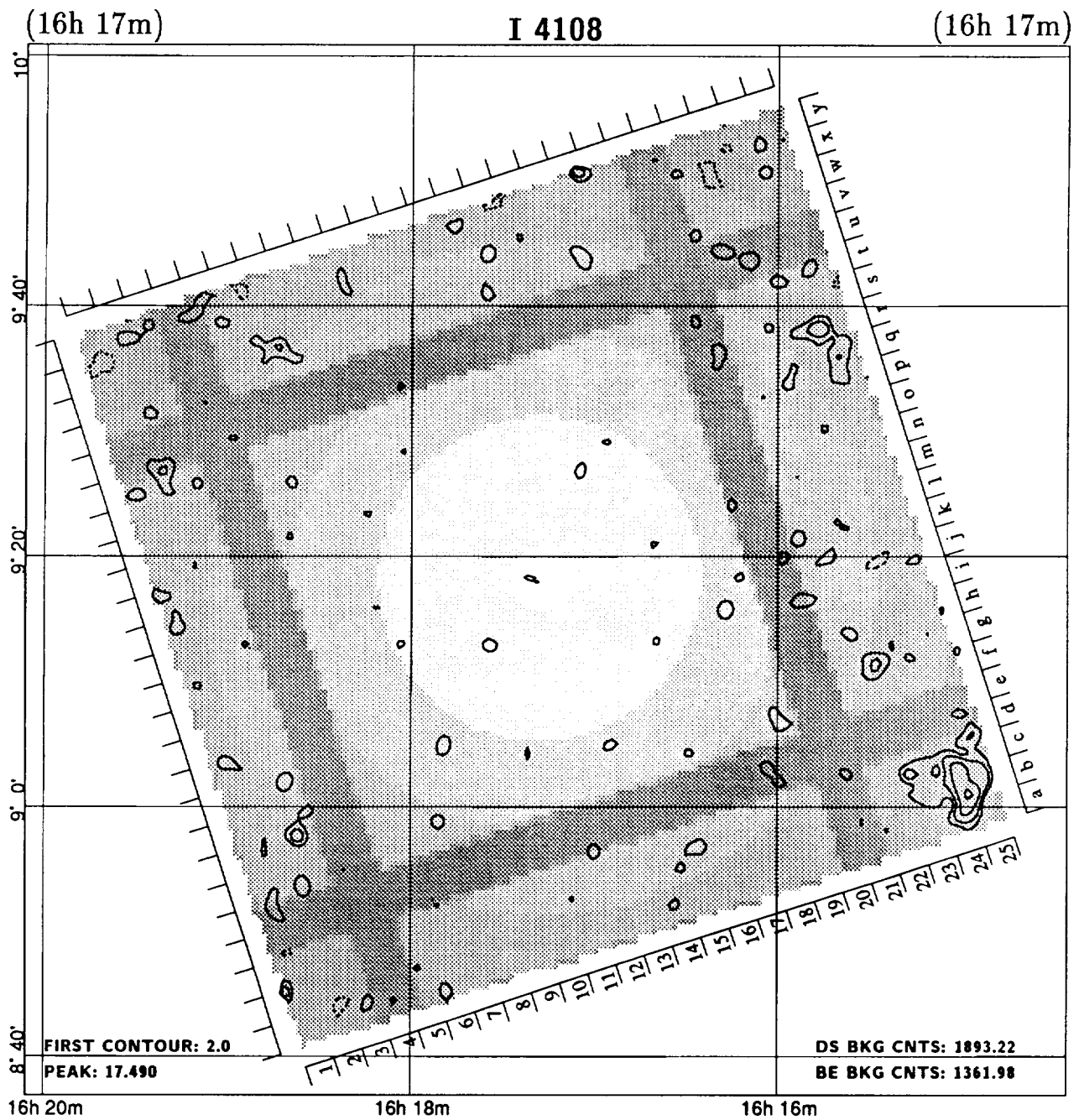
(16h 16m)



FIELD CENTER: $16^h 16^m 41.0^s -02^\circ 22' 47''$ (B1950)
 $16^h 19^m 17.3^s -02^\circ 29' 59''$ (J2000)
 $l: 10.83 \quad b: 31.87$

DATE: 1980/239 - 1980/239
 LIVETIME: 1536.9s
 ROLL ANGLE: 82.9°

NH: $8.9E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $16^{\text{h}}17^{\text{m}}16.0^{\text{s}}$ $09^{\circ}10'53''$ (B1950)
 $16^{\text{h}}17^{\text{m}}39.9^{\text{s}}$ $09^{\circ}11'44''$ (J2000)
 $l: 23.13$ $b: 37.81$

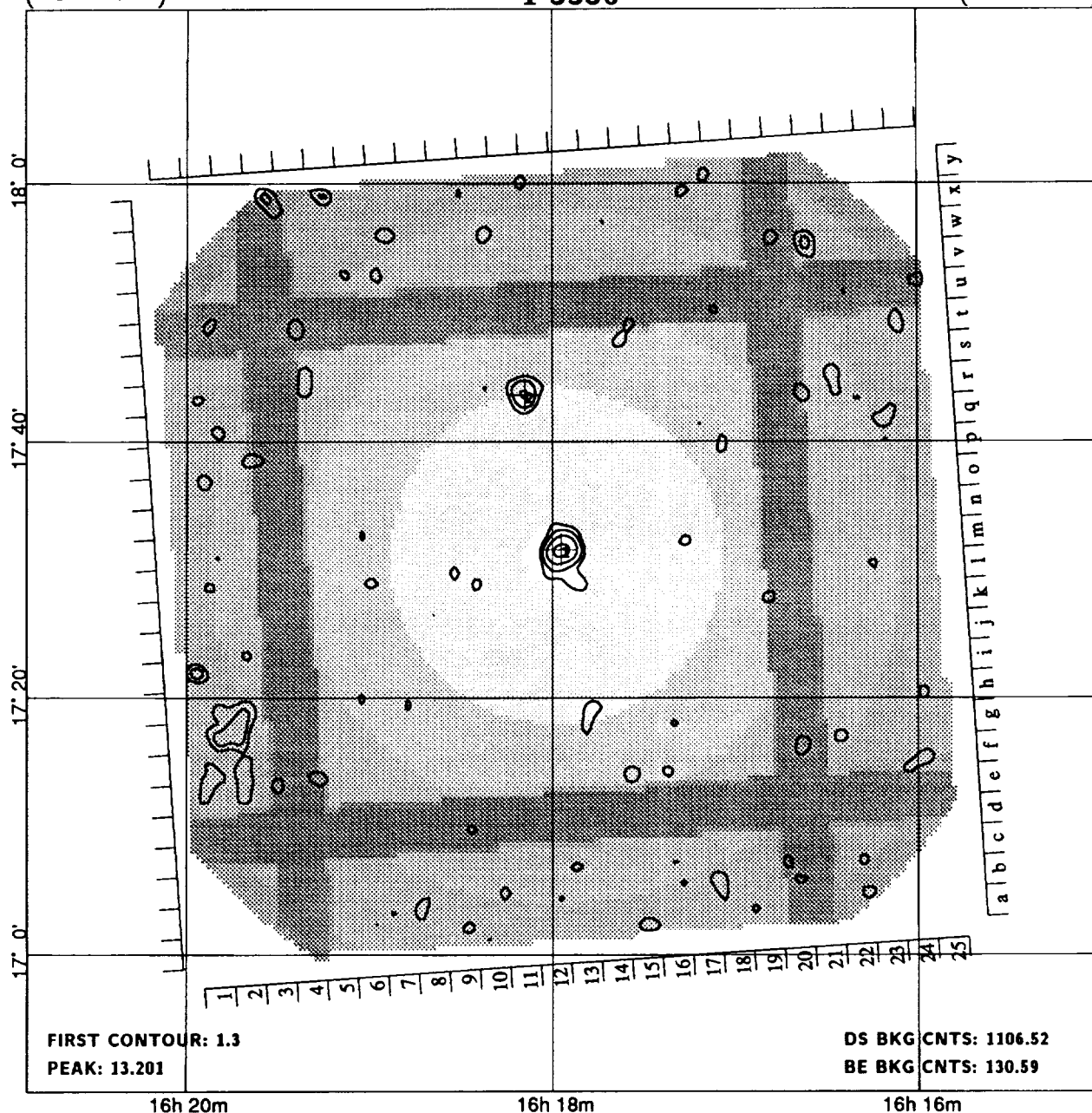
DATE: 1980/ 38 - 1980/ 38
LIVETIME: 1534.1s
ROLL ANGLE: -107.9°

NH: 4.5E+20
REF/ID:
FIELD FLAGS: LS

(16h 17m)

I 5350

(16h 17m)



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $16^h 17^m 56.2^s$ $17^\circ 31' 32''$ (B1950)
 $16^h 20^m 10.9^s$ $17^\circ 24' 25''$ (J2000)
 $l: 32.89$ $b: 41.08$

DATE: 1980/ 62 - 1980/ 63

NH: $4.4E+20$

LIVETIME: 896.6s

REF/ID:

ROLL ANGLE: -93.8°

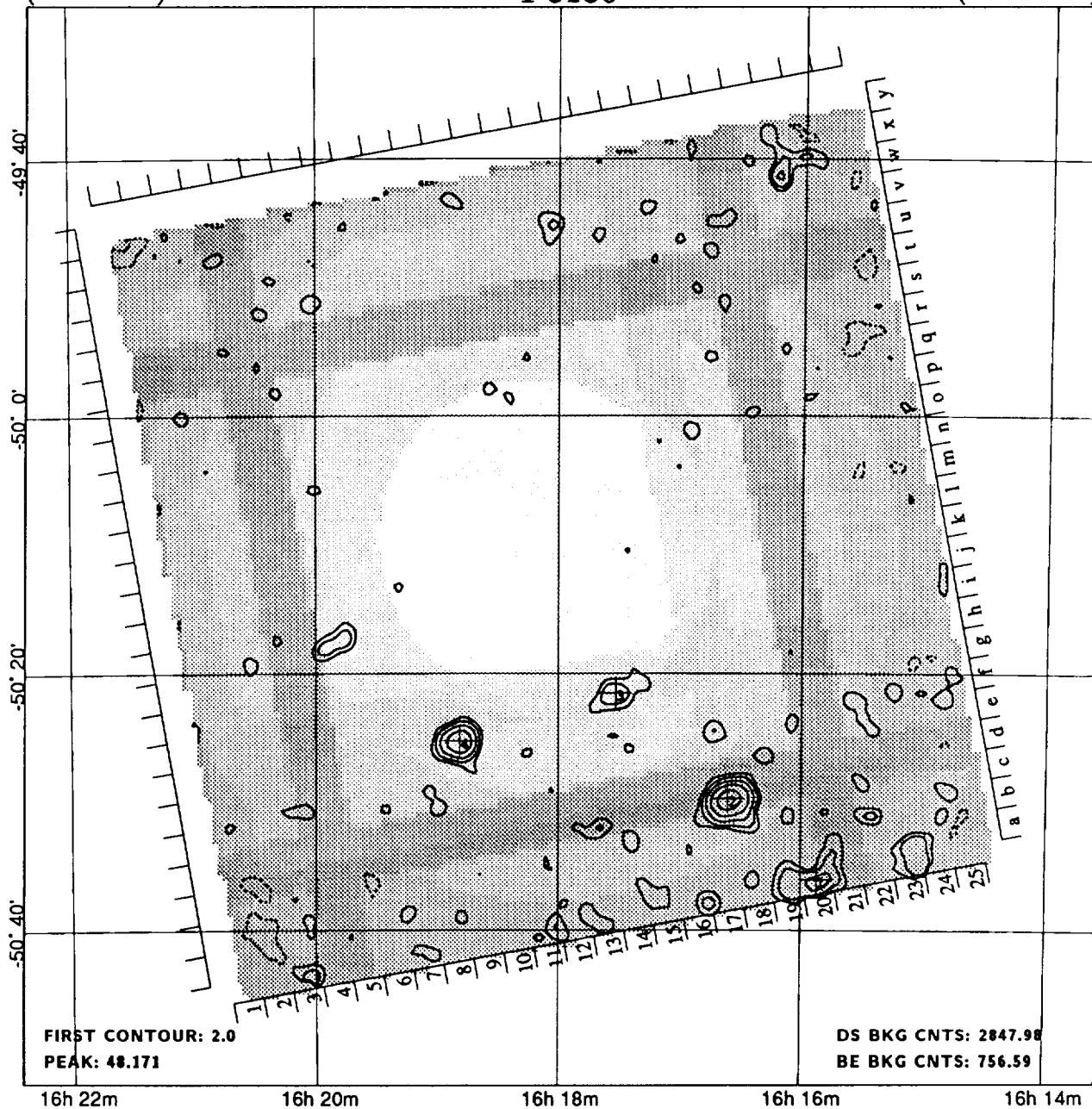
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3647	1	16 17 57.2	17 31 34	35	0.073	0.011	49.1	2.9	6.8	1.1	0	0.4	AH	AGN
3648	2	16 18 09.1	17 43 35	46	0.0275	0.0075	15.5	2.5	3.6	0.8	0	12.5	A	Q

(16h 17m)

I 5150

(16h 17m)



FIELD CENTER: $16^h 17^m 59.9^s$ $-50^\circ 10' 11''$ (B1950)
 $16^h 21^m 46.4^s$ $-50^\circ 17' 15''$ (J2000)
 $l: 333.43$ $b: -0.30$

DATE: 1980/ 50 - 1980/ 50
 LIVETIME: 2307.8s
 ROLL ANGLE: -100.4°

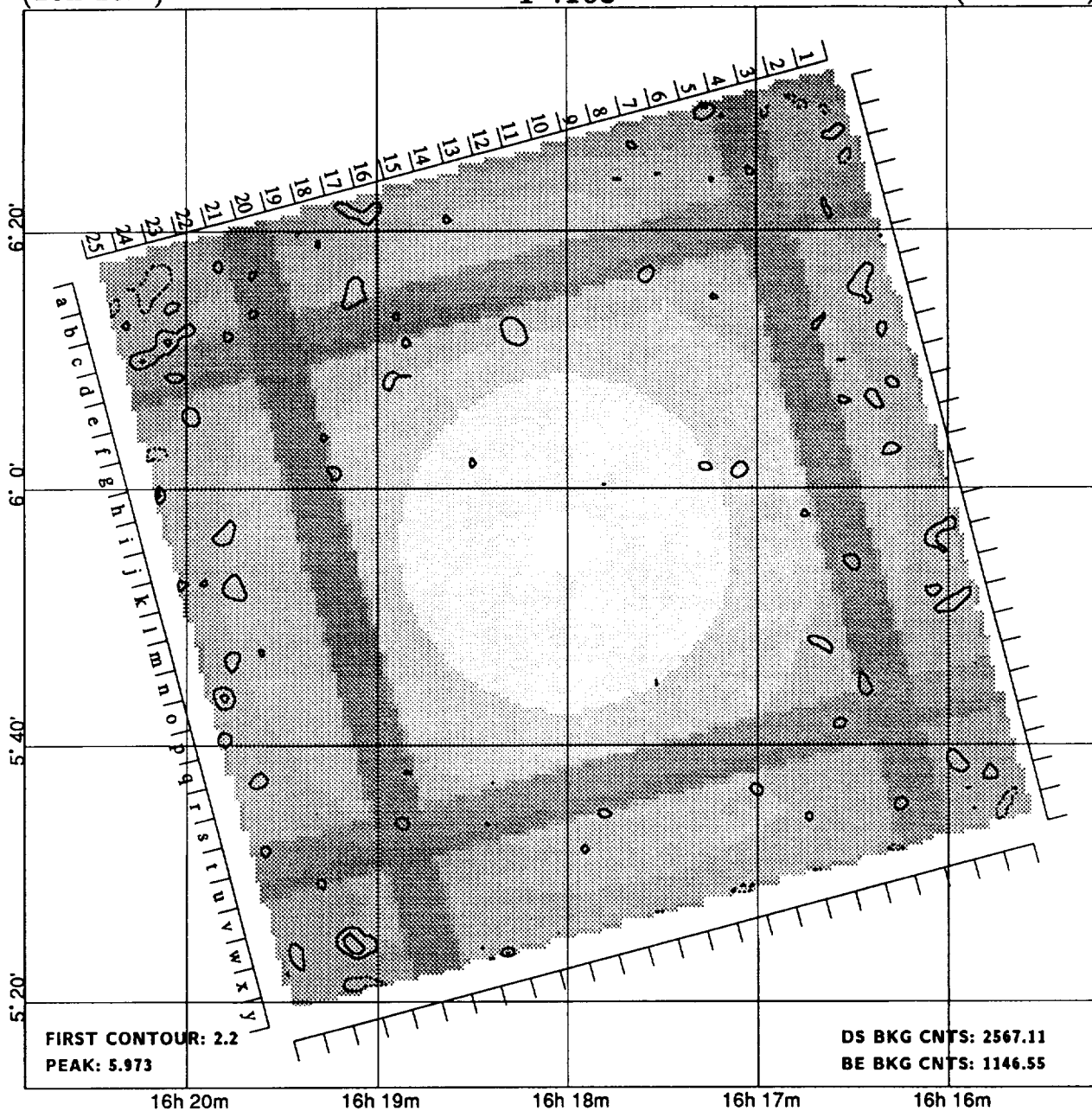
NH: $1.5E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3639	1	16 15 52.2	-50 36 05	57	*0.0234	0.0064	14.2	0.8	3.7	2.0	801	32.2	EH
3643	2	16 16 36.0	-50 29 49	48	*0.110	0.011	100.5	5.5	9.8	1.2	1209	23.6	EH
3646	3	16 17 31.7	-50 21 31	42	0.0175	0.0039	25.4	6.6	4.5	1.1	0	12.1	H
3652	4	16 18 48.9	-50 25 14	48	0.0656	0.0074	86.0	7.0	8.9	1.0	0	17.0	H

(16h 18m)

I 4103

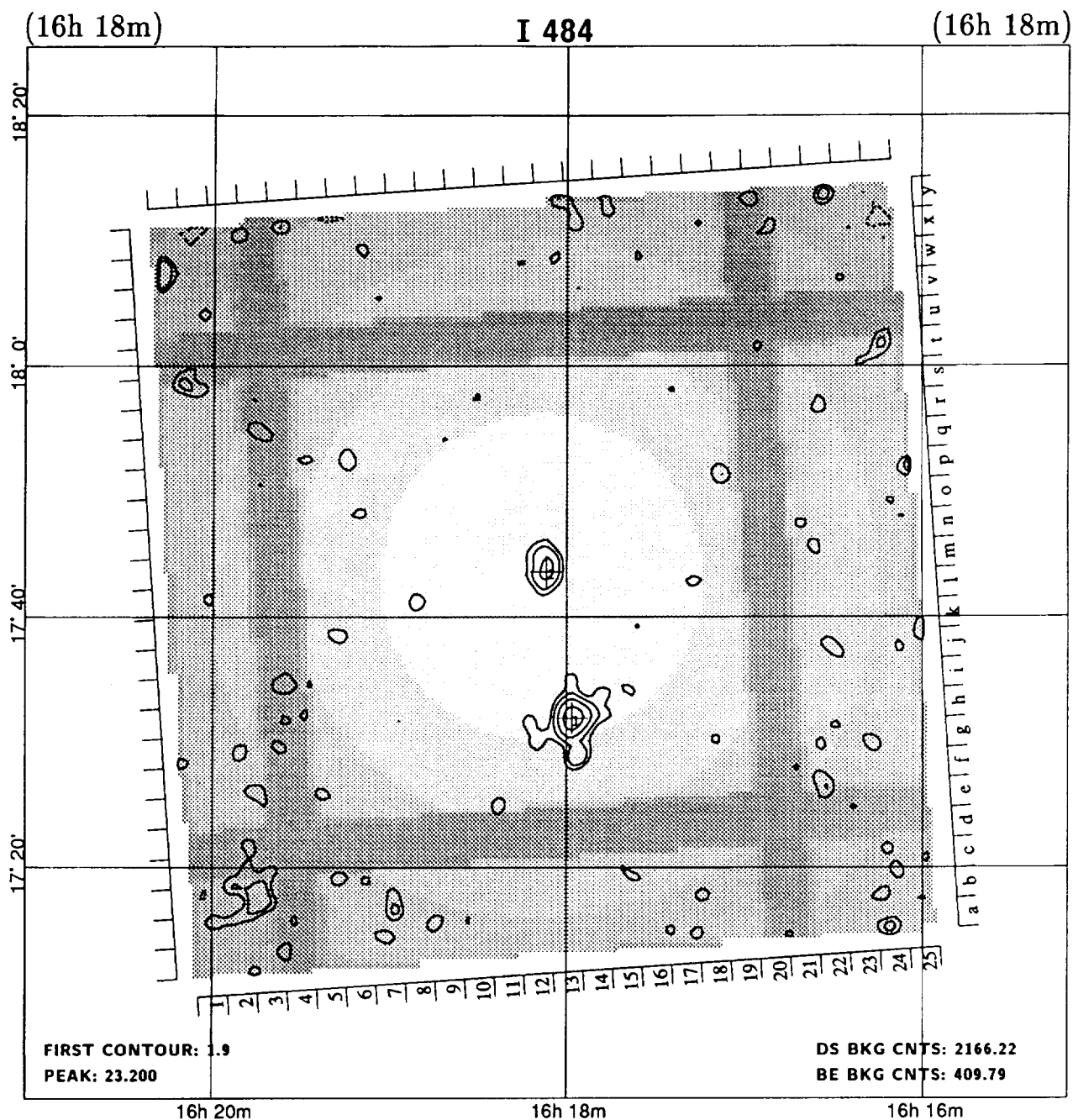
(16h 18m)



FIELD CENTER: $16^h 18^m 01.9^s$ $05^\circ 55' 17''$ (B1950)
 $16^h 20^m 29.4^s$ $05^\circ 48' 11''$ (J2000)
 $l: 19.52$ $b: 36.02$

DATE: 1979/228 - 1979/228
LIVETIME: 2080.2s
ROLL ANGLE: 75.3°

NH: $4.7E+20$
REF/ID:
FIELD FLAGS: L



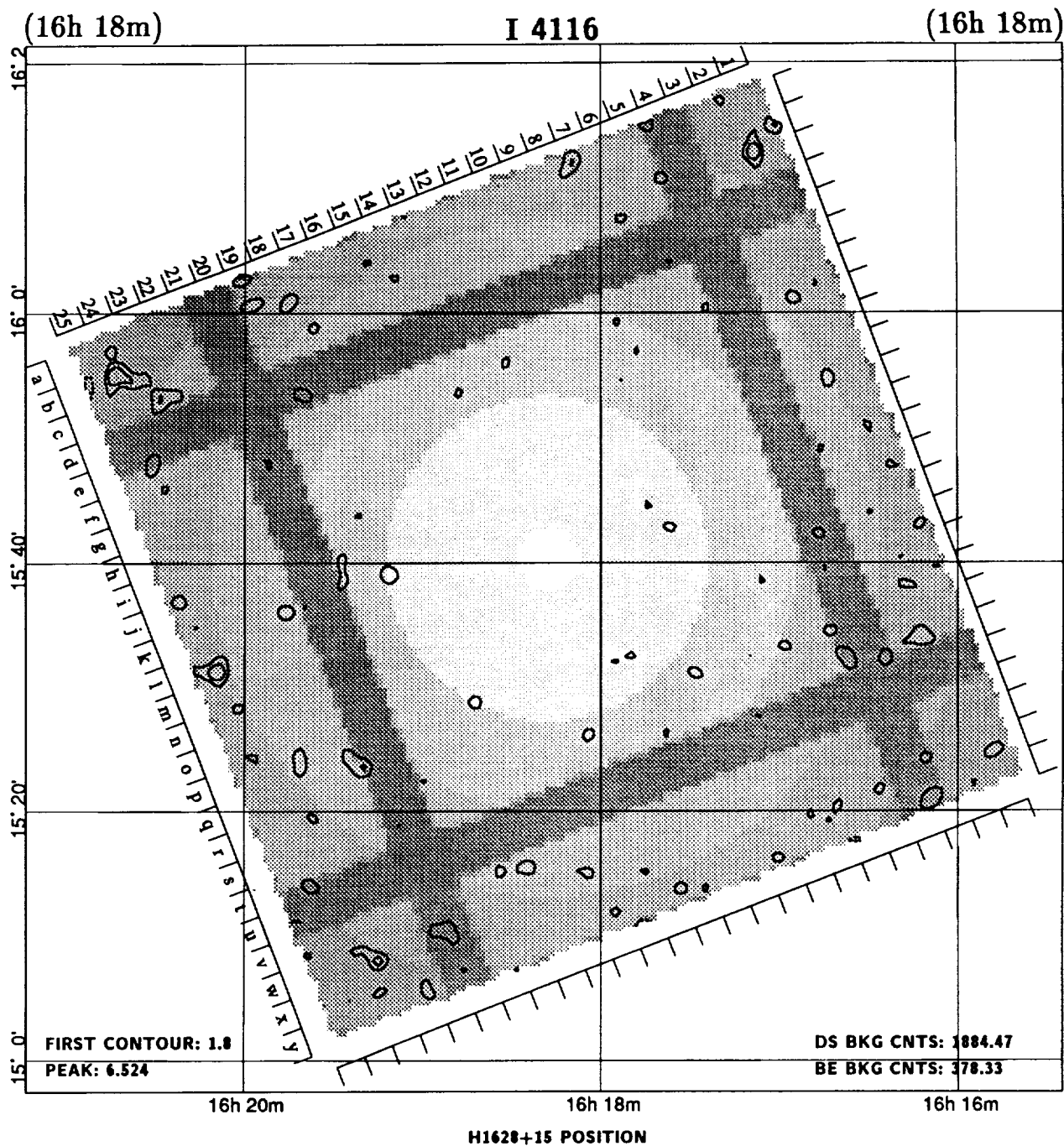
3CR 334 (QSO 1618+177) QUASAR SURVEY

FIELD CENTER: $16^h 18^m 07.3^s$ $17^\circ 43' 29''$ (B1950)
 $16^h 20^m 21.8^s$ $17^\circ 36' 23''$ (J2000)
 $l: 33.16$ $b: 41.11$

DATE: 1980/ 63 - 1980/ 63
 LIVETIME: 1755.4s
 ROLL ANGLE: -93.8°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3647	1	16 17 58.2	17 31 51	38	0.0698	0.0081	79.6	6.4	8.6	1.4	0	11.8	AH	AGN
3648	2	16 18 07.0	17 43 35	35	0.0311	0.0052	40.7	6.3	5.9	1.1	0	0.2	AH	Q



FIELD CENTER: $16^h 18^m 18.9^s$ $15^\circ 39' 29''$ (B1950)
 $16^h 20^m 35.8^s$ $15^\circ 32' 24''$ (J2000)
 $l: 30.66$ $b: 40.29$

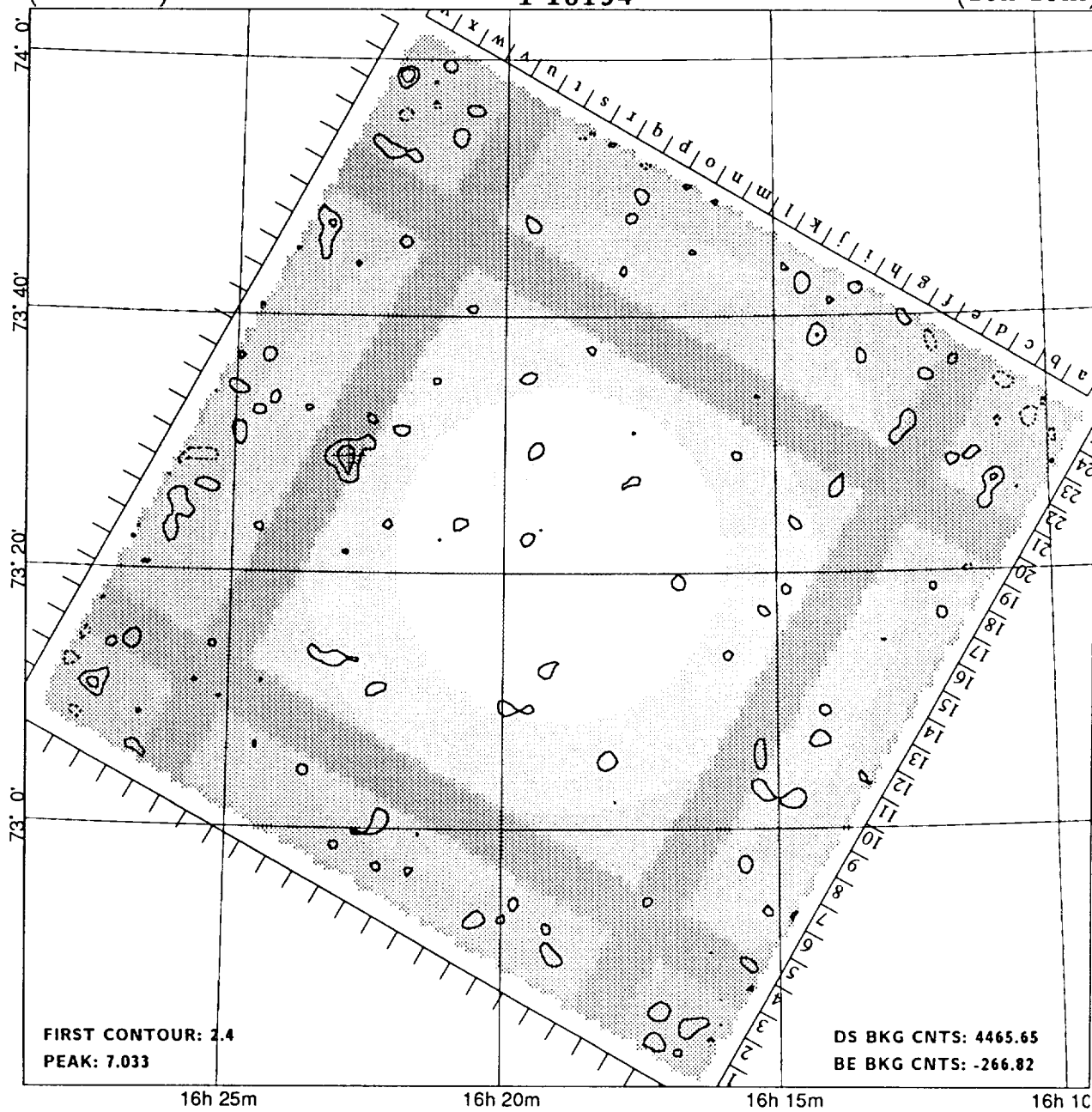
DATE: 1980/220 - 1980/220
 LIVETIME: 1527.0s
 ROLL ANGLE: 69.0°

NH: $4.1E+20$
 REF/ID:
 FIELD FLAGS:

(16h 19m)

I 10194

(16h 19m)



UMI MEDIUM SENSITIVITY SURVEY, TARGET 1

FIELD CENTER: $16^h 19^m 00.0^s$ $73^\circ 21' 59''$ (B1950)
 $16^h 18^m 12.4^s$ $73^\circ 14' 50''$ (J2000)
 ℓ : 106.58 b : 36.56

DATE: 1980/354 - 1980/355

NH: $3.7E+20$

LIVETIME: 3618.6s

REF/ID:

ROLL ANGLE: -150.6°

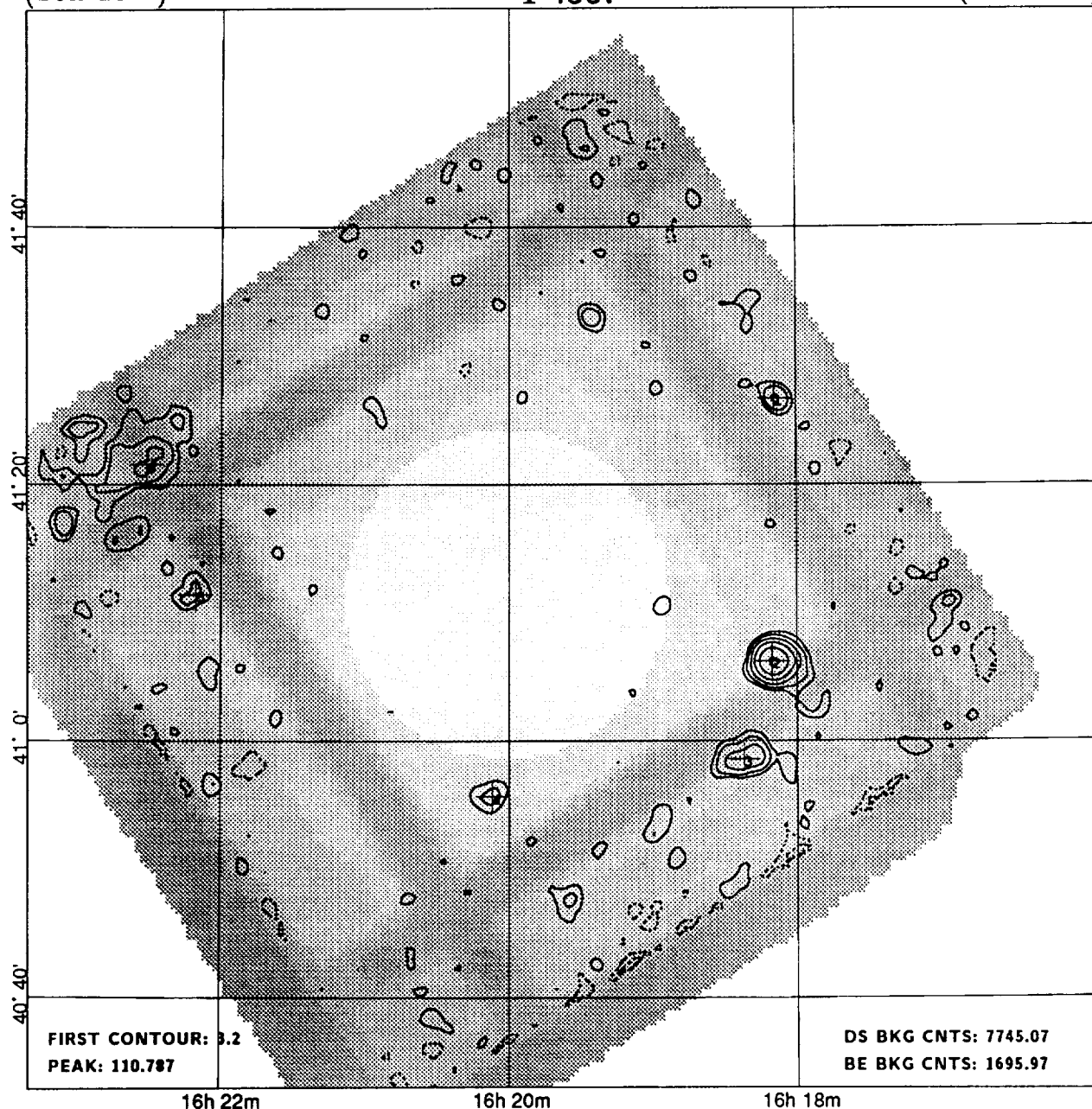
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3669	1	16 22 53.9	73 29 08	56	*0.0094	0.0025	18.2	5.8	3.7	1.0	1309	18.2	H	

(16h 19m)

I 4587

(16h 19m)



1.5 DEGREE OFFSET FROM SEQUENCE 3438

FIELD CENTER: $16^h 19^m 36.9^s$ $41^\circ 14' 59''$ (B1950)
 $16^h 21^m 17.7^s$ $41^\circ 07' 58''$ (J2000)
 $l: 65.14$ $b: 45.10$

DATE: 1979/211 - 1979/212
 LIVETIME: 6276.1s

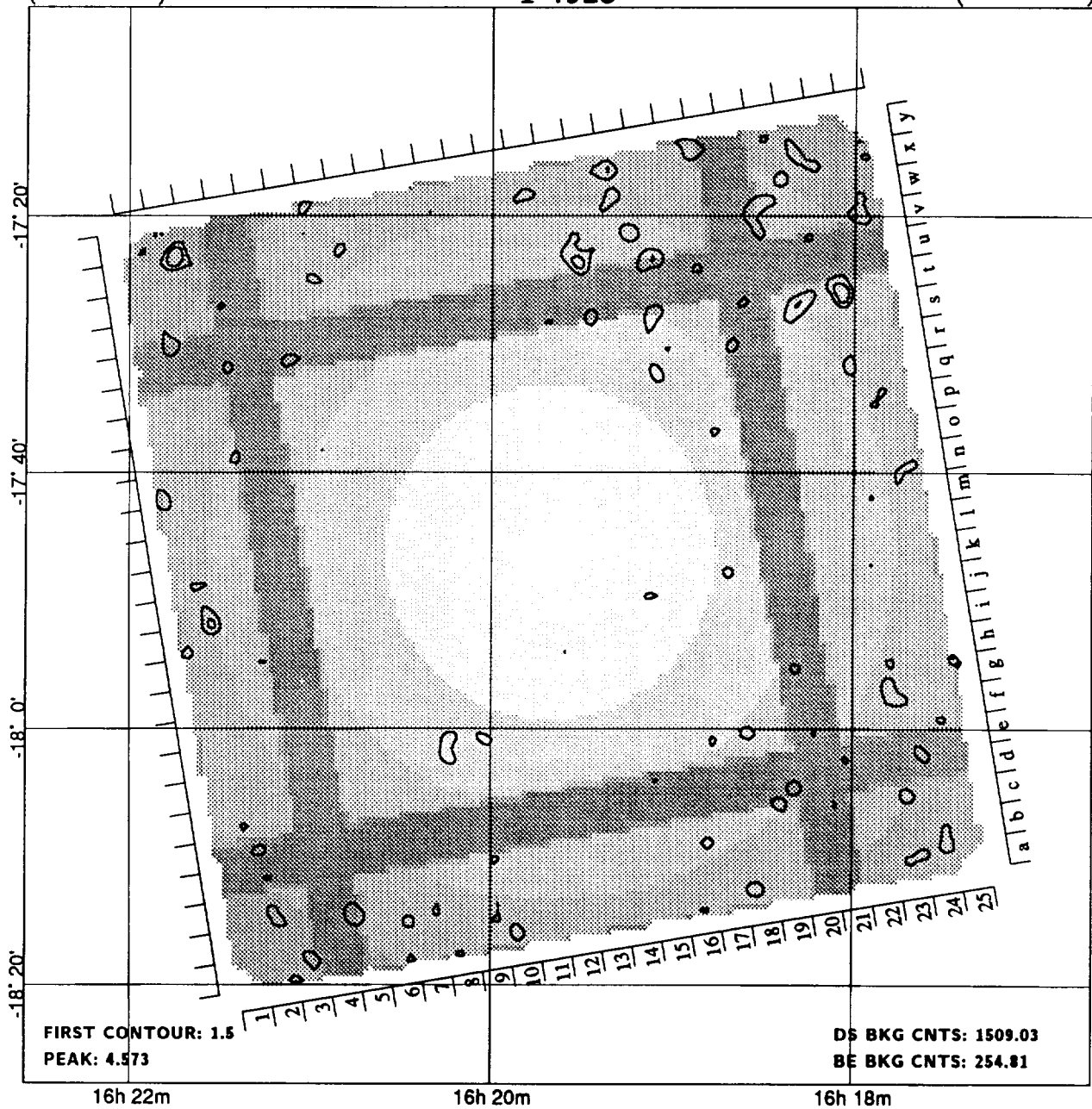
NH: $9.7E+19$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3649	1	16 18 09.2	41 26 38	52	*0.0096	0.0026	22.3	13.7	3.7	0.8	501	20.2	E	
3650	2	16 18 10.4	41 06 13	47	*0.0915	0.0056	283.8	16.2	16.4	1.1	803	18.5	H	
3651	3	16 18 22.1	40 58 34	50	*0.0191	0.0028	56.9	11.1	6.9	1.4	804	21.7	H	
3655	4	16 20 07.1	40 55 39	54	0.0062	0.0017	22.8	17.2	3.6	0.8	0	20.2		
3660	5	16 22 10.3	41 11 29	60	*0.0078	0.0021	21.7	12.3	3.7	0.8	602	29.1	H	
3664	6	16 22 30.9	41 21 33	55	*0.0182	0.0032	40.3	9.7	5.7	3.2	1309	33.8	H	

(16h 19m)

I 4925

(16h 19m)



FIELD CENTER: $16^h 19^m 38.0^s$ $-17^\circ 45' 45''$ (B1950)
 $16^h 22^m 31.3^s$ $-17^\circ 52' 45''$ (J2000)
 $l: 357.67$ $b: 21.07$

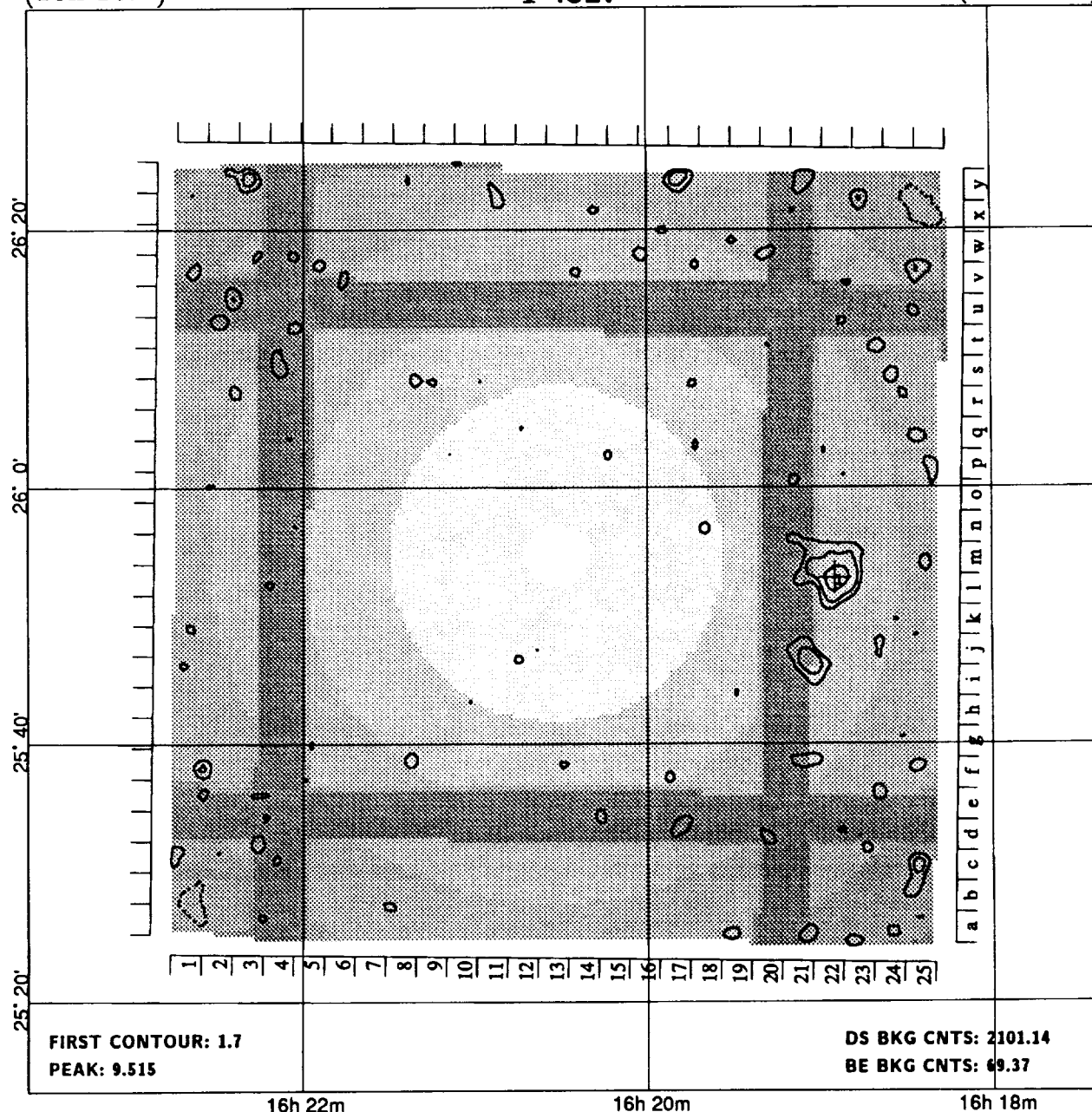
DATE: 1980/ 61 - 1980/ 61
 LIVETIME: 1222.8s
 ROLL ANGLE: -99.5°

NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS:

(16h 20m)

I 4527

(16h 20m)



CLUSTER A 2177

FIELD CENTER: $16^{\text{h}}20^{\text{m}}28.8^{\text{s}}$ $25^{\circ}55'11''$ (B1950)
 $16^{\text{h}}22^{\text{m}}33.1^{\text{s}}$ $25^{\circ}48'14''$ (J2000)
 $\ell: 43.91$ $b: 43.09$

DATE: 1980/ 67 - 1980/ 67
LIVETIME: 1702.6s
ROLL ANGLE: -89.3°

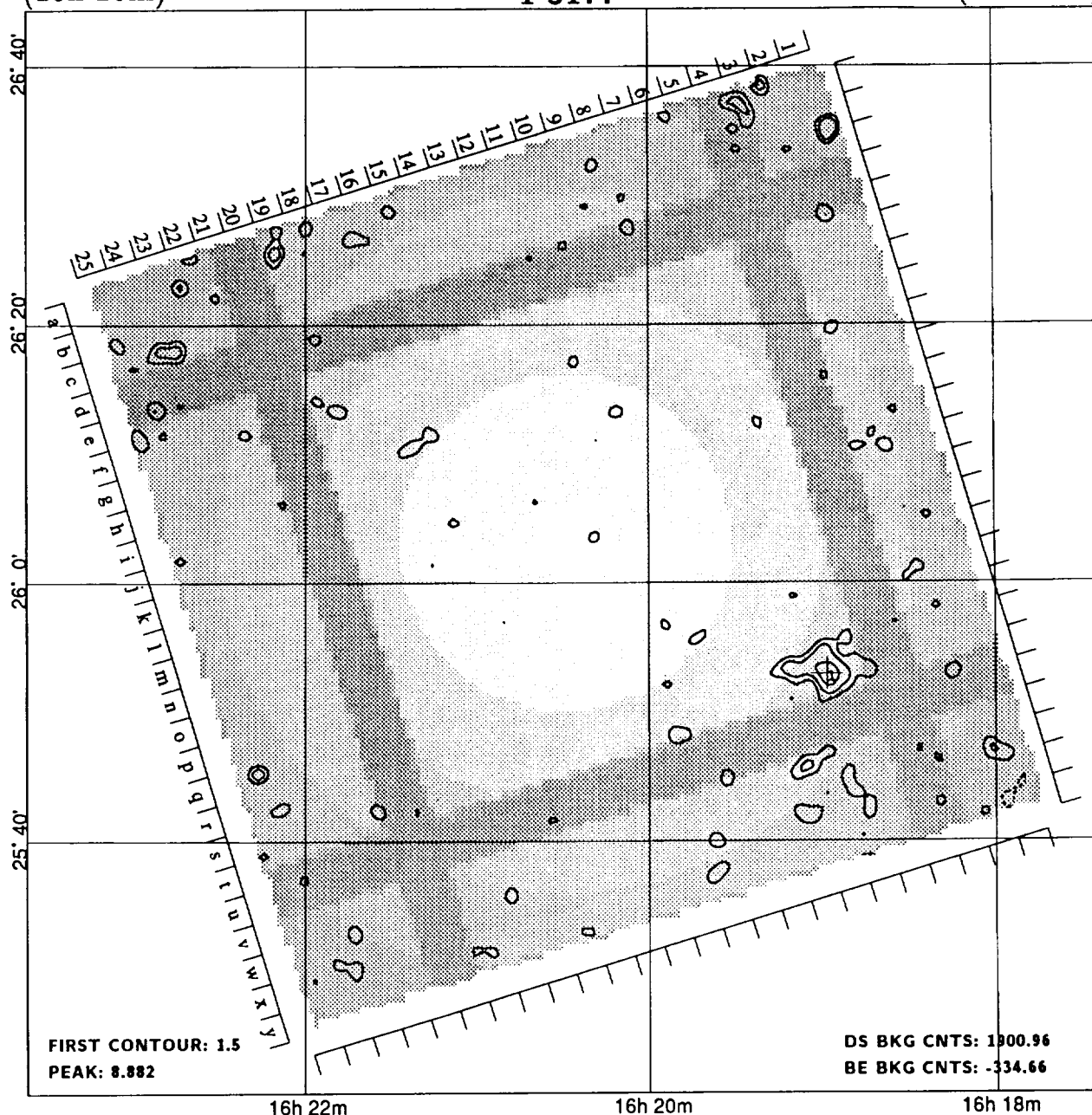
NH: 3.7E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID CLG
3653	1	16 18 54.7	25 53 02	51	*0.0354	0.0070	29.0	4.0	5.1	1.7	703	20.7	AH	CLG

(16h 20m)

I 3177

(16h 20m)



EG275: NEW WHITE DWARF X-RAY SOURCES

FIELD CENTER: $16^{\text{h}}20^{\text{m}}30.0^{\text{s}}$ $26^{\circ}02'23''$ (B1950)
 $16^{\text{h}}22^{\text{m}}34.1^{\text{s}}$ $25^{\circ}55'26''$ (J2000)
 $l: 44.07$ $b: 43.12$

DATE: 1979/228 - 1979/228
 LIVETIME: 1540.4s
 ROLL ANGLE: 73.1°

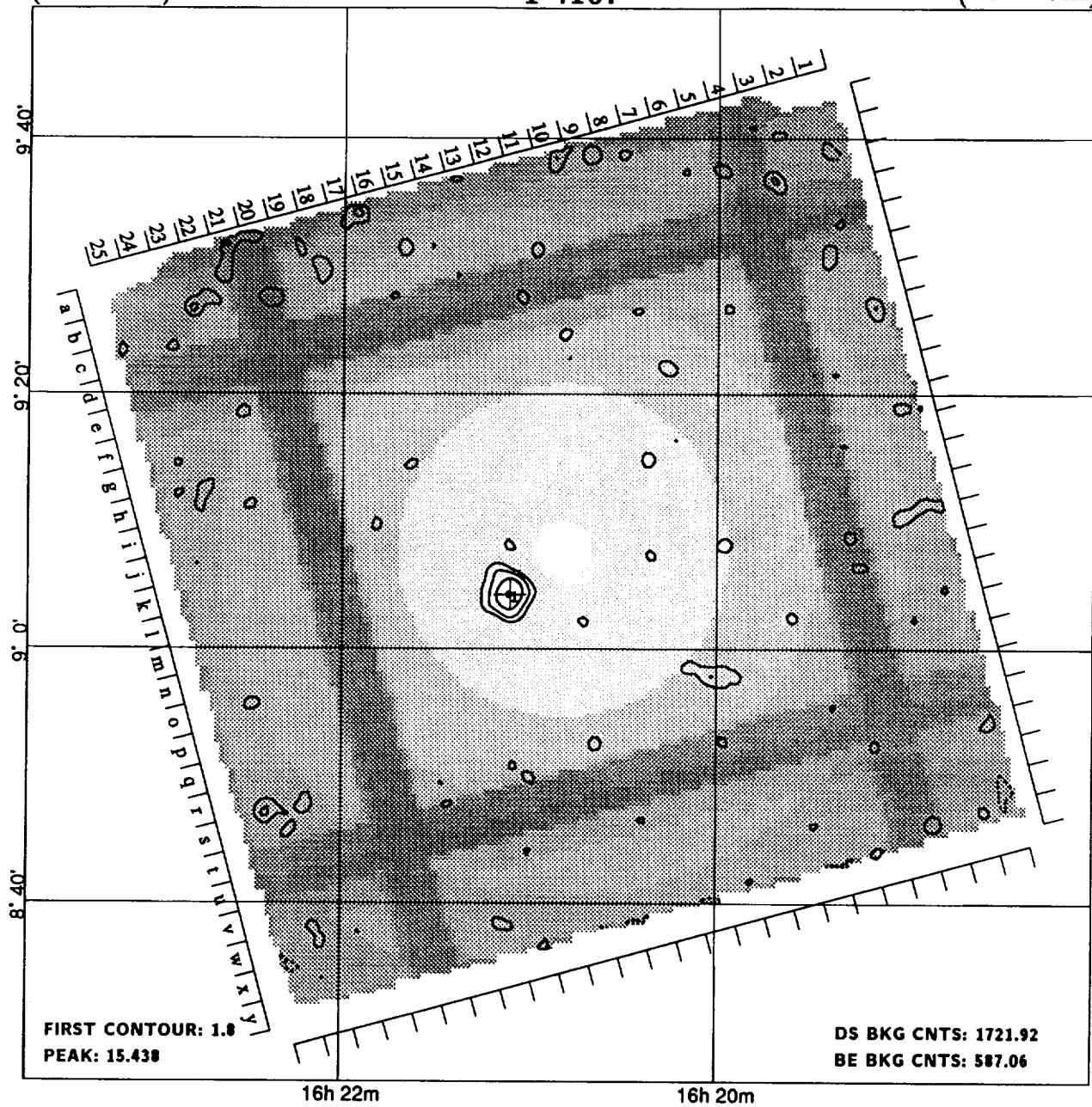
NH: $3.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3653	1	16 18 58.0	25 52 55	51	0.0272	0.0065	19.5	2.5	4.2	1.7	200	22.6	AH	CLG

(16h 20m)

I 4107

(16h 20m)



H1617+09 POSITION

FIELD CENTER: $16^{\text{h}}20^{\text{m}}50.0^{\text{s}}$ $09^{\circ}08'05''$ (B1950)
 $16^{\text{h}}23^{\text{m}}14.0^{\text{s}}$ $09^{\circ}01'10''$ (J2000)
 ℓ : 23.44 b : 36.95

DATE: 1979/229 - 1979/229
 LIVETIME: 1395.3s
 ROLL ANGLE: 74.9°

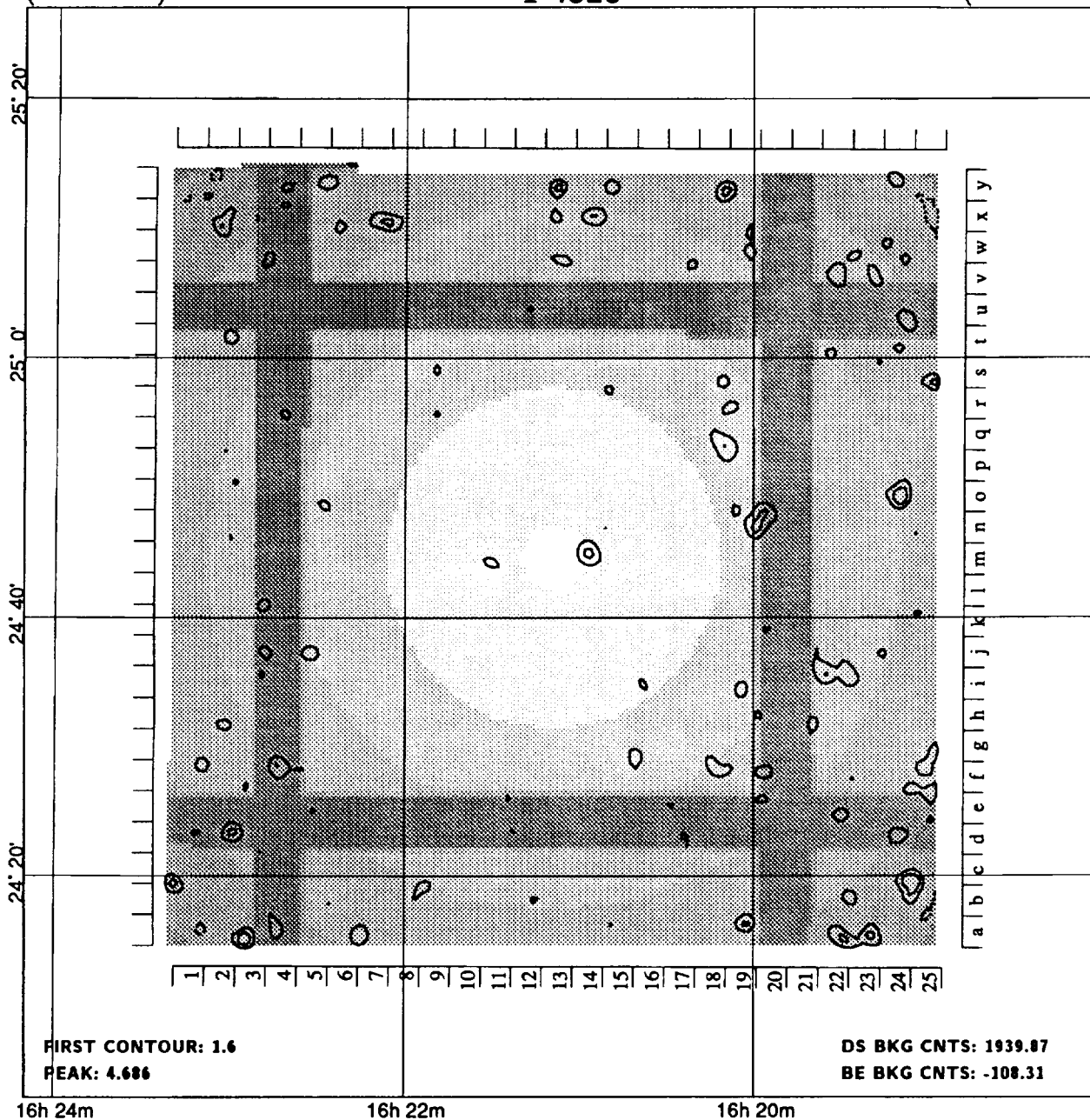
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3656	1L	16 21 06.2	09 04 19	41	0.0427	0.0091	42.5	16.5	4.6	1.2	0	5.4		

(16h 21m)

I 4528

(16h 21m)



CLUSTER A 2178

FIELD CENTER: $16^h 21^m 05.9^s$ $24^\circ 44' 59''$ (B1950)
 $16^h 23^m 11.7^s$ $24^\circ 38' 05''$ (J2000)
 $l: 42.42$ $b: 42.66$

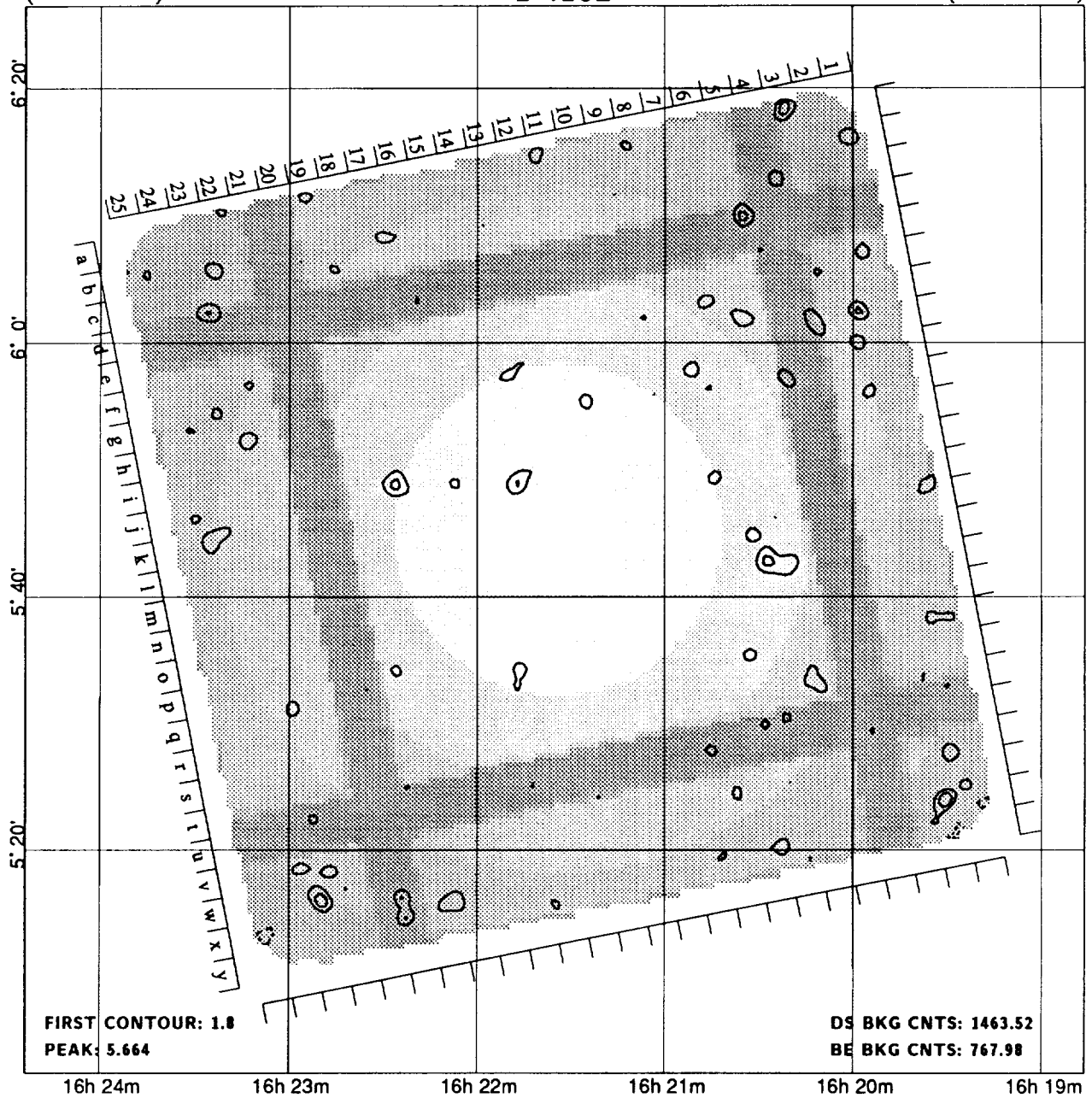
DATE: 1980/ 66 - 1980/ 66
 LIVETIME: 1571.9s
 ROLL ANGLE: -89.8°

NH: $4.1E+20$
 REF/ID: !
 FIELD FLAGS:

(16h 21m)

I 4102

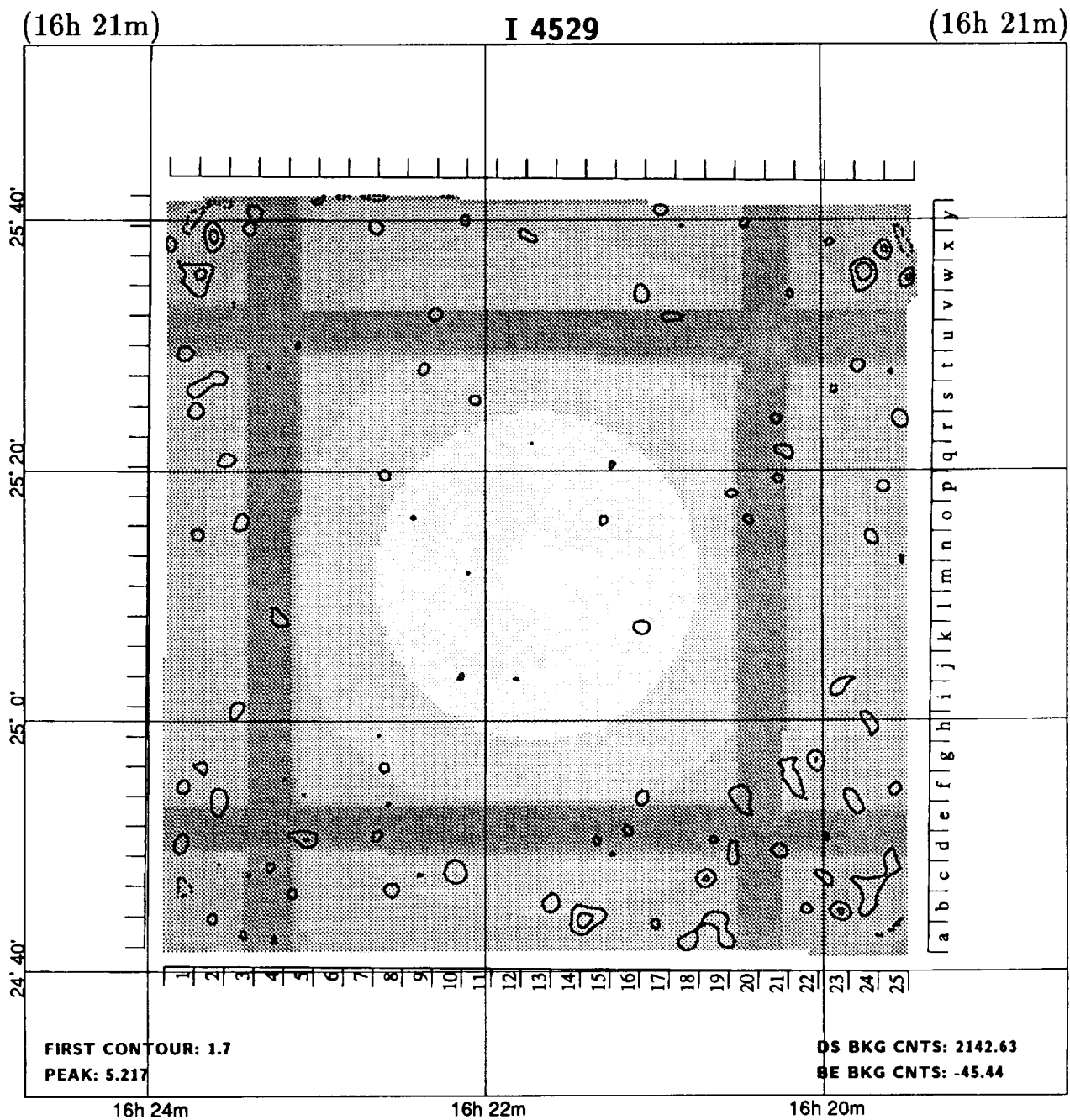
(16h 21m)



FIELD CENTER: $16^{\text{h}}21^{\text{m}}35.0^{\text{s}}\ 05^{\circ}44'29''$ (B1950)
 $16^{\text{h}}24^{\text{m}}02.7^{\text{s}}\ 05^{\circ}37'37''$ (J2000)
 $l: 19.86\ b: 35.16$

DATE: 1980/237 - 1980/237
 LIVETIME: 1185.9s
 ROLL ANGLE: 78.9°

NH: $4.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L



CLUSTER A 2177/2178

FIELD CENTER: $16^h 21^m 38.9^s$ $25^\circ 11' 59''$ (B1950)
 $16^h 23^m 44.1^s$ $25^\circ 05' 07''$ (J2000)
 $l: 43.05$ $b: 42.65$

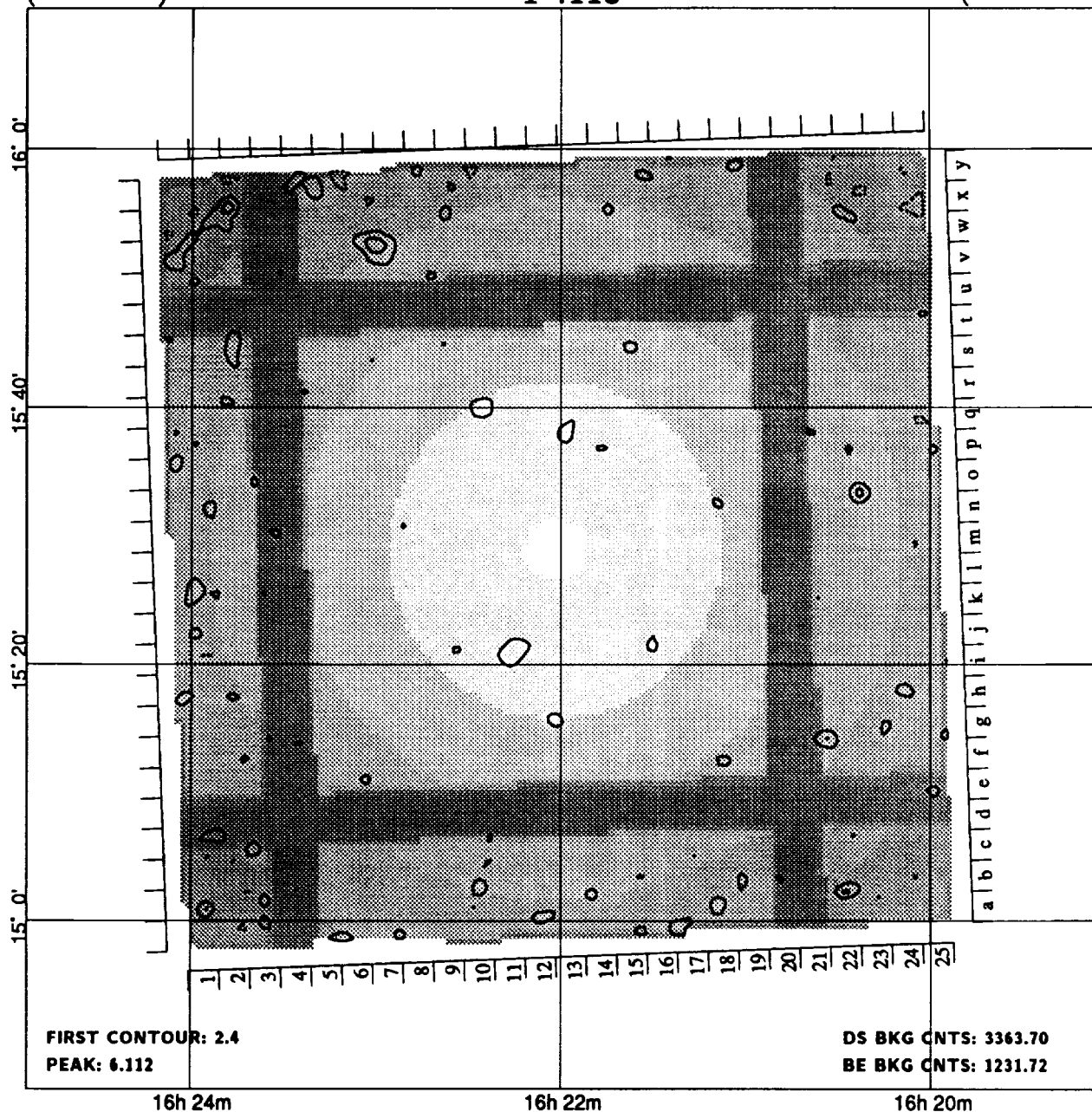
DATE: 1980/ 67 - 1980/ 67
LIVETIME: 1736.2s
ROLL ANGLE: -89.5°

NH: $3.8E+20$
REF/ID:
FIELD FLAGS:

(16h 21m)

I 4115

(16h 21m)



H1628+15 POSITION

FIELD CENTER: $16^{\text{h}}21^{\text{m}}59.0^{\text{s}}$ $15^{\circ}28'59''$ (B1950)
 $16^{\text{h}}24^{\text{m}}15.9^{\text{s}}$ $15^{\circ}22'08''$ (J2000)
 $l: 30.90$ $b: 39.41$

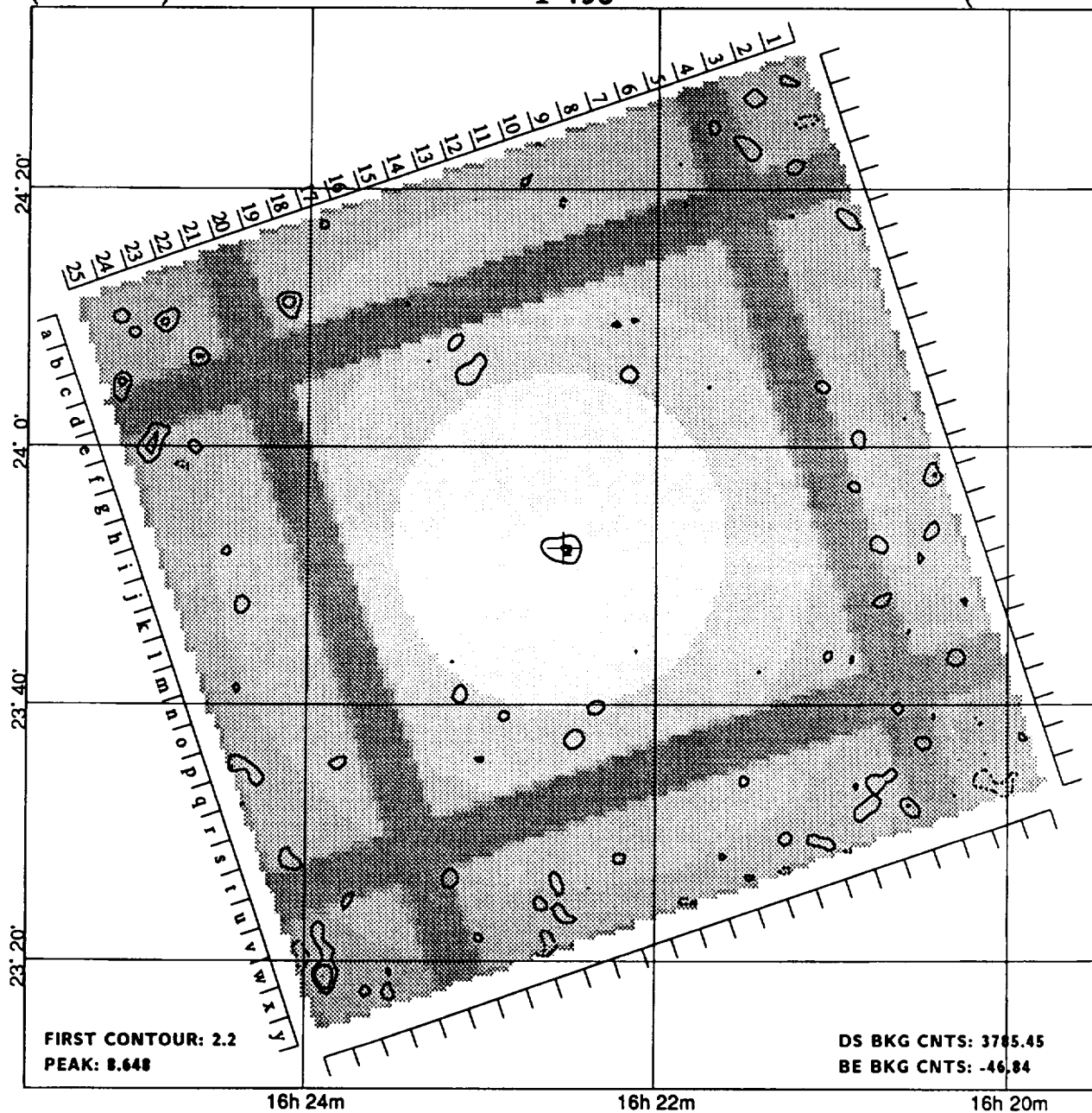
DATE: 1980/ 66 - 1980/ 66
 LIVETIME: 2725.7s
 ROLL ANGLE: -92.1°

NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(16h 22m)

I 495

(16h 22m)



3CR 336 (QSO 1622+238) QUASAR SURVEY

FIELD CENTER: $16^{\text{h}}22^{\text{m}}32.3^{\text{s}}$ $23^{\circ}52'00''$ (B1950)
 $16^{\text{h}}24^{\text{m}}39.1^{\text{s}}$ $23^{\circ}45'11''$ (J2000)
 $l: 41.39$ $b: 42.10$

DATE: 1980/225 - 1980/226

NH: $4.4\text{E}+20$

LIVETIME: 3067.5s

REF/ID:

ROLL ANGLE: 71.2°

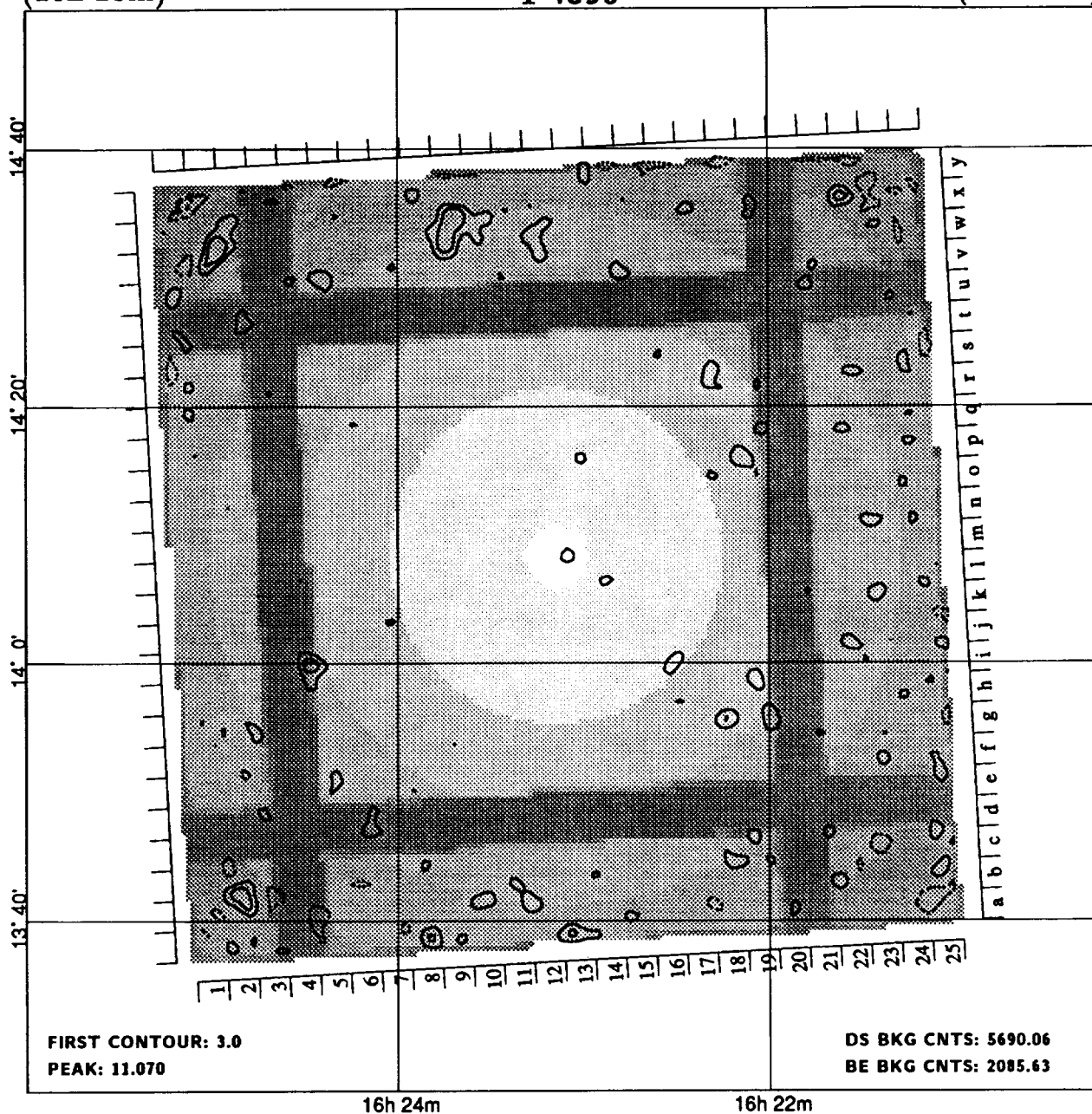
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3665	1	16 22 32.0	23 52 08	41	0.0089	0.0024	20.2	8.8	3.8	0.8	0	0.2	H	Q

(16h 23m)

I 4890

(16h 23m)



STAR OMEGA HER (HD 148112), AP STARS

FIELD CENTER: $16^{\text{h}}23^{\text{m}}06.1^{\text{s}}$ $14^{\circ}08'48''$ (B1950)
 $16^{\text{h}}25^{\text{m}}24.5^{\text{s}}$ $14^{\circ}02'02''$ (J2000)
 $l: 29.46$ $b: 38.63$

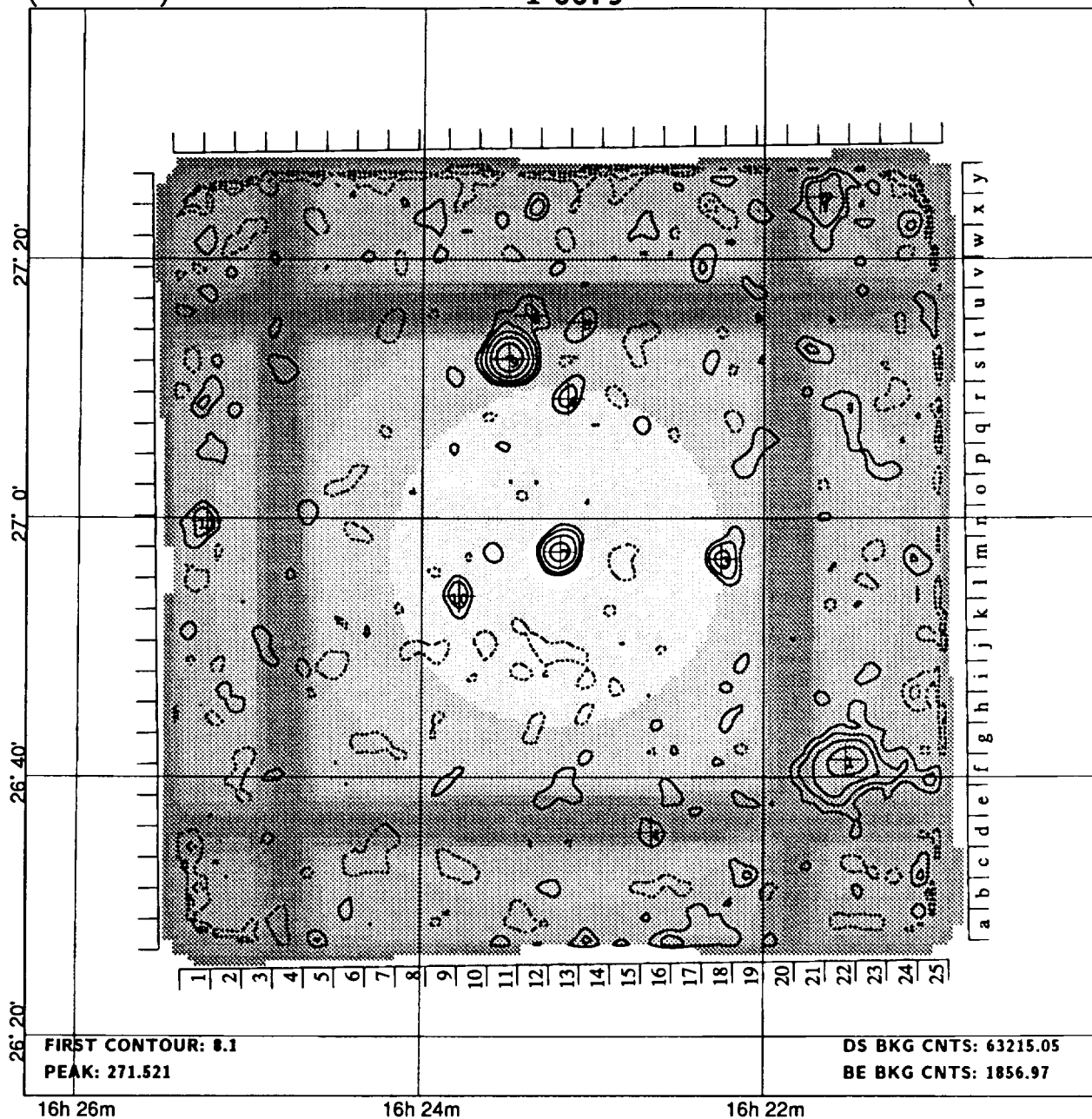
DATE: 1980/ 65 - 1980/ 66
 LIVETIME: 4610.8s
 ROLL ANGLE: -93.0°

NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(16h 23m)

I 6679

(16h 23m)



DEEP SURVEY #2

FIELD CENTER: $16^{\text{h}}23^{\text{m}}10.0^{\text{s}}$ $26^{\circ}57'23''$ (B1950)
 $16^{\text{h}}25^{\text{m}}12.8^{\text{s}}$ $26^{\circ}50'37''$ (J2000)
 $\ell: 45.48$ $b: 42.76$

DATE: 1980/ 65 - 1980/ 69
LIVETIME: 51224.9s
ROLL ANGLE: -90.7°

NH: 3.4E+20
REF/ID: Q
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3657	1	16 21 31.5	26 41 20	47	0.01402	0.00099	281.5	117.5	14.1	2.3	0	27.1	AH	
3658	2	16 21 40.5	27 24 42	53	*0.00394	0.00082	56.2	79.8	4.8	1.7	804	33.8	H	
3661	3	16 22 14.9	26 56 50	38	0.00432	0.00050	138.5	122.5	8.6	1.0	0	12.2	H	
3666	4	16 22 39.2	26 35 43	52	*0.00164	0.00046	39.7	82.3	3.6	0.6	1109	22.6	H	
3673	5	16 23 03.8	27 15 08	51	*0.00200	0.00044	55.5	92.5	4.6	0.7	1109	17.8	H	
3674	6	16 23 08.7	27 09 17	41	0.00239	0.00046	77.7	147.3	5.2	0.7	0	11.9		
3675	7	16 23 11.2	26 57 25	31	0.01016	0.00061	388.1	152.9	16.7	0.9	0	0.4	AH	Q
3679	8	16 23 21.7	27 15 40	54	*0.00214	0.00043	58.2	80.8	4.9	14.5	1409	18.5		
3680	9	16 23 29.5	27 12 18	47	0.0277	0.0010	823.3	129.7	26.7	1.2	500	15.7	AH	
3684	10	16 23 46.8	26 53 58	41	0.00261	0.00045	91.6	157.4	5.8	0.8	0	9.0		Q

Source Table cont.

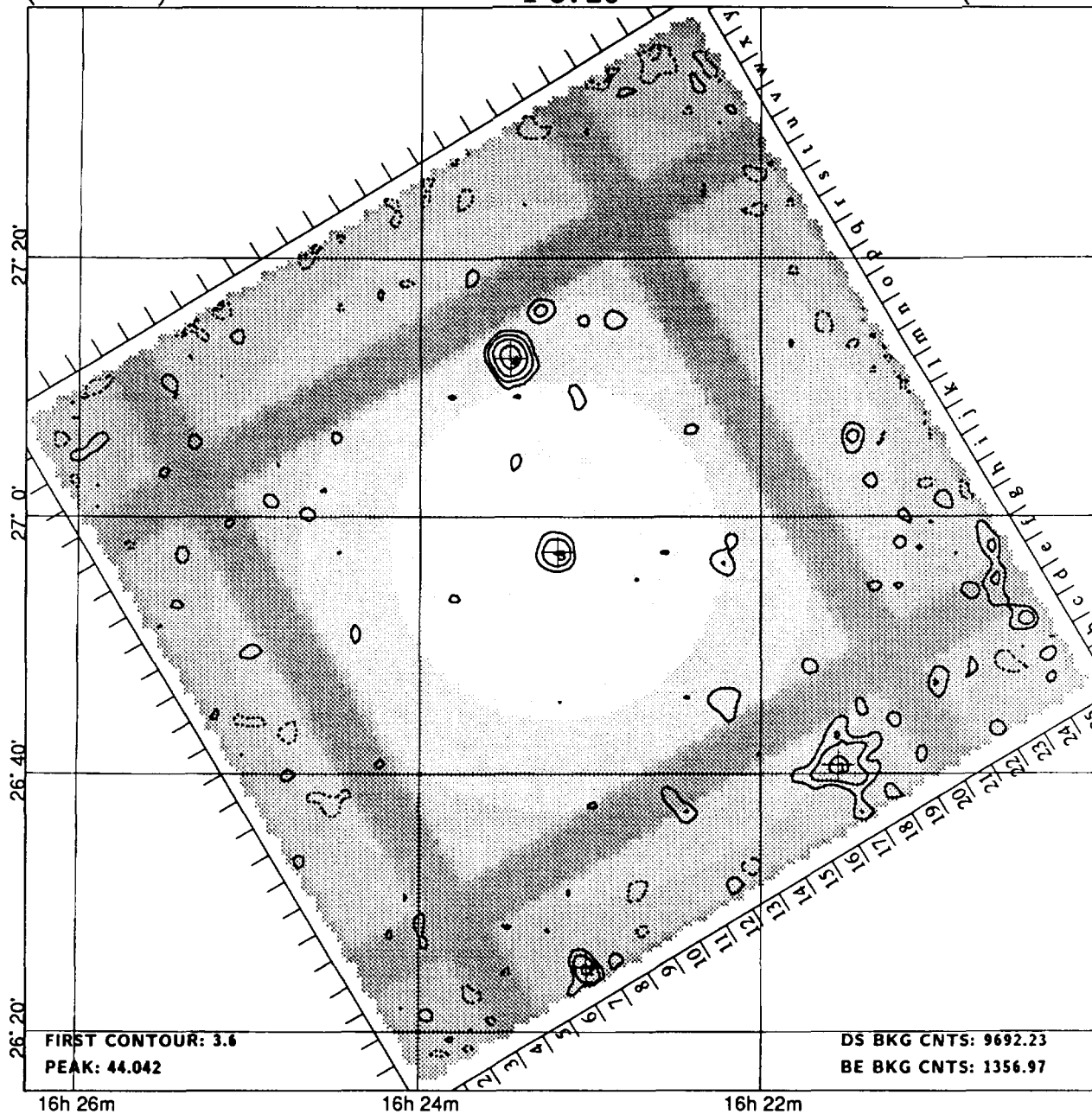
I 6679 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3697	11	16 25 15.2	26 59 46	74	0.00305	0.00064	61.0	104.0	4.7	0.9	0	28.0		

(16h 23m)

I 5720

(16h 23m)



MEDIUM DEPTH SURVEY: 4C26.48

FIELD CENTER: $16^{\text{h}}23^{\text{m}}10.0^{\text{s}}$ $26^{\circ}57'24''$ (B1950)
 $16^{\text{h}}25^{\text{m}}12.8^{\text{s}}$ $26^{\circ}50'38''$ (J2000)
 ℓ : 45.48 b : 42.76

DATE: 1980/ 25 - 1980/ 25
 LIVETIME: 7853.9s
 ROLL ANGLE: -121.0°

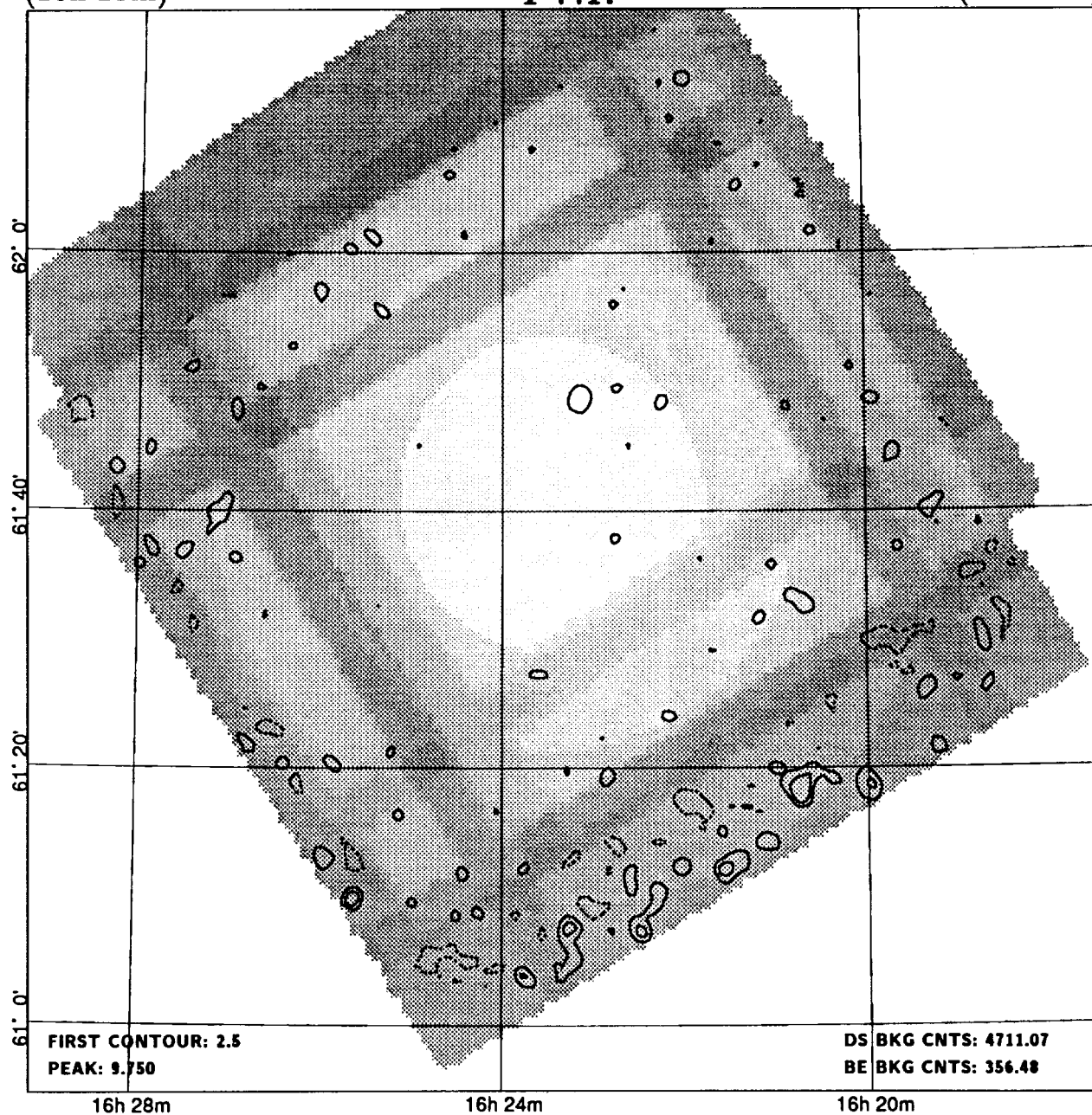
NH: $3.4\text{E}+20$
 REF/ID: Q
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3657	1	16 21 33.0	26 40 40	51	0.0133	0.0025	40.9	18.1	5.3	2.0	0	27.4	AH	
3671	2	16 23 01.2	26 25 03	55	0.0101	0.0026	24.7	14.3	3.9	0.9	200	31.9	H	
3675	3	16 23 11.5	26 57 15	35	0.0103	0.0016	60.3	26.7	6.5	0.8	0	0.4	AH	Q
3680	4	16 23 28.3	27 12 19	48	0.0295	0.0027	135.2	22.8	10.8	1.1	100	15.7	AH	

(16h 23m)

I 4417

(16h 23m)



STELLAR SURVEY: ETA DRA

FIELD CENTER: $16^{\text{h}}23^{\text{m}}18.9^{\text{s}}$ $61^{\circ}36'59''$ (B1950)
 $16^{\text{h}}24^{\text{m}}00.0^{\text{s}}$ $61^{\circ}30'10''$ (J2000)
 l : 92.57 b : 40.95

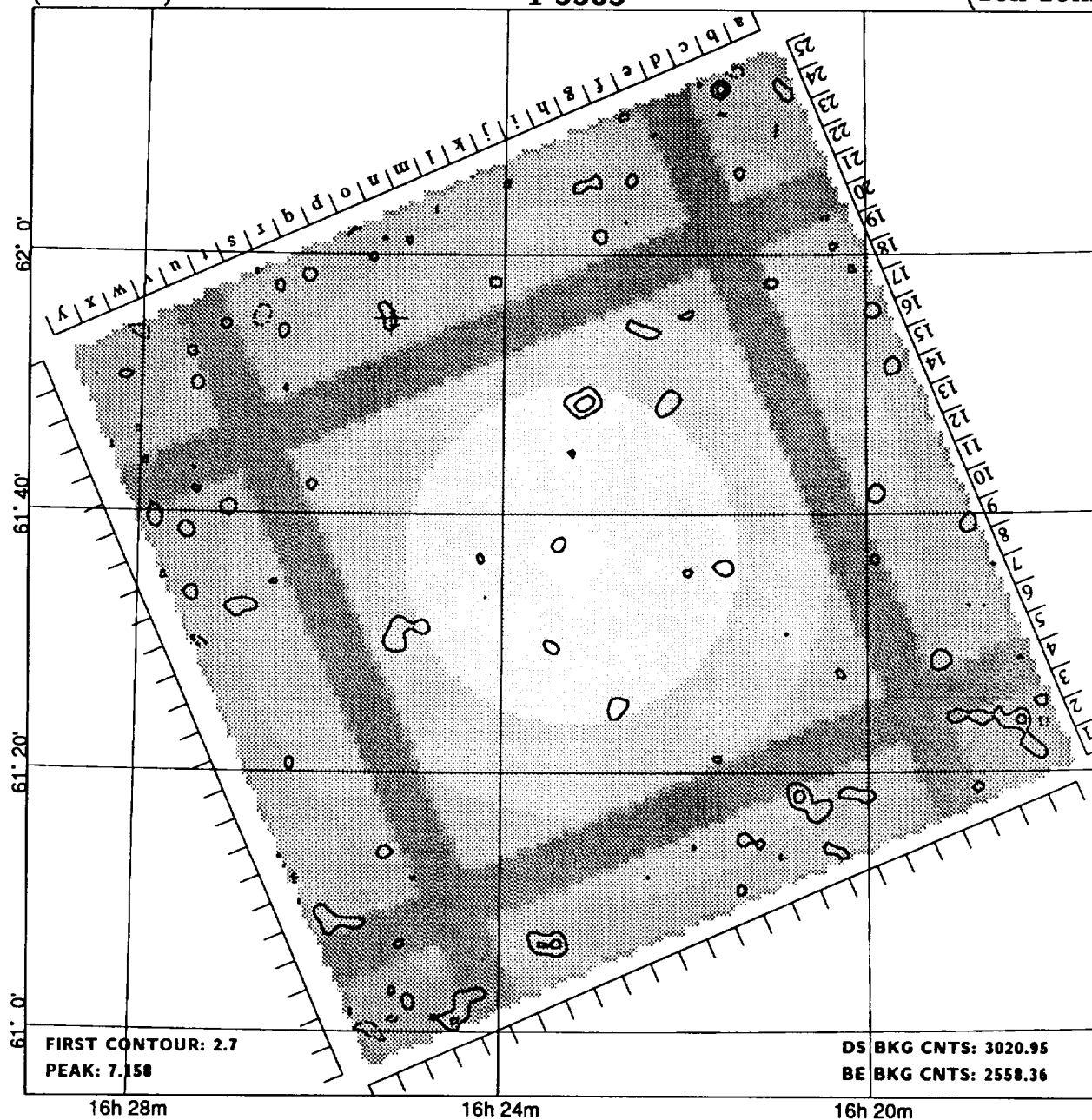
DATE: 1979/211 - 1979/211
LIVETIME: 3817.5s

NH: $2.3\text{E}+20$
REF/ID:
FIELD FLAGS: C

(16h 23m)

I 5583

(16h 23m)



Eta DRA

FIELD CENTER: $16^h 23^m 18.9^s$ $61^\circ 36' 59''$ (B1950)
 $16^h 24^m 00.0^s$ $61^\circ 30' 10''$ (J2000)
 $l: 92.57$ $b: 40.95$

DATE: 1979/311 - 1979/311

NH: $2.3E+20$

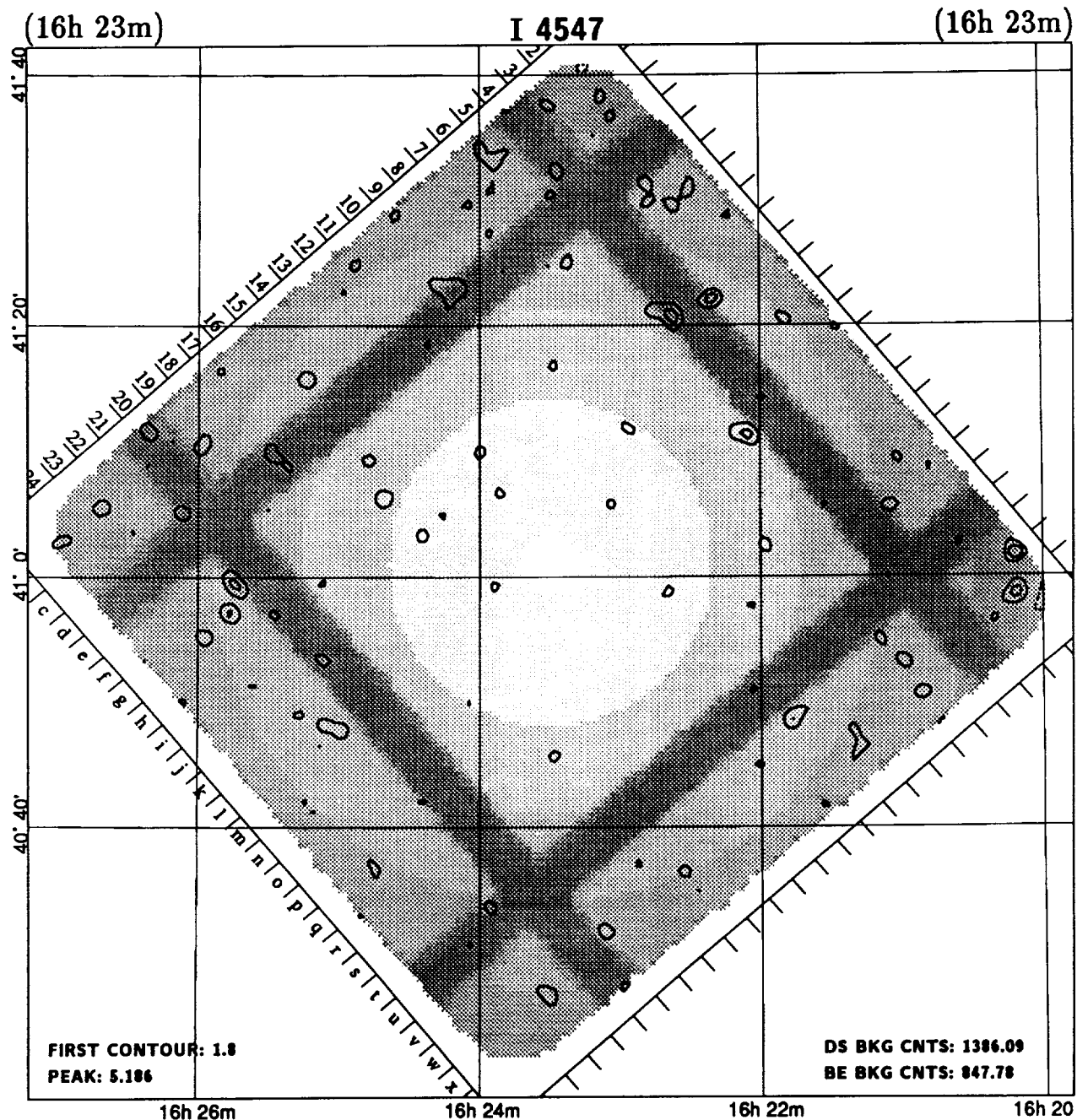
LIVETIME: 2448.0s

REF/ID:

ROLL ANGLE: 156.7°

FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3698	1L	16 25 15.9	61 55 04	83	0.0188	0.0049	21.0	2.0	3.7	0.5	100	22.8		

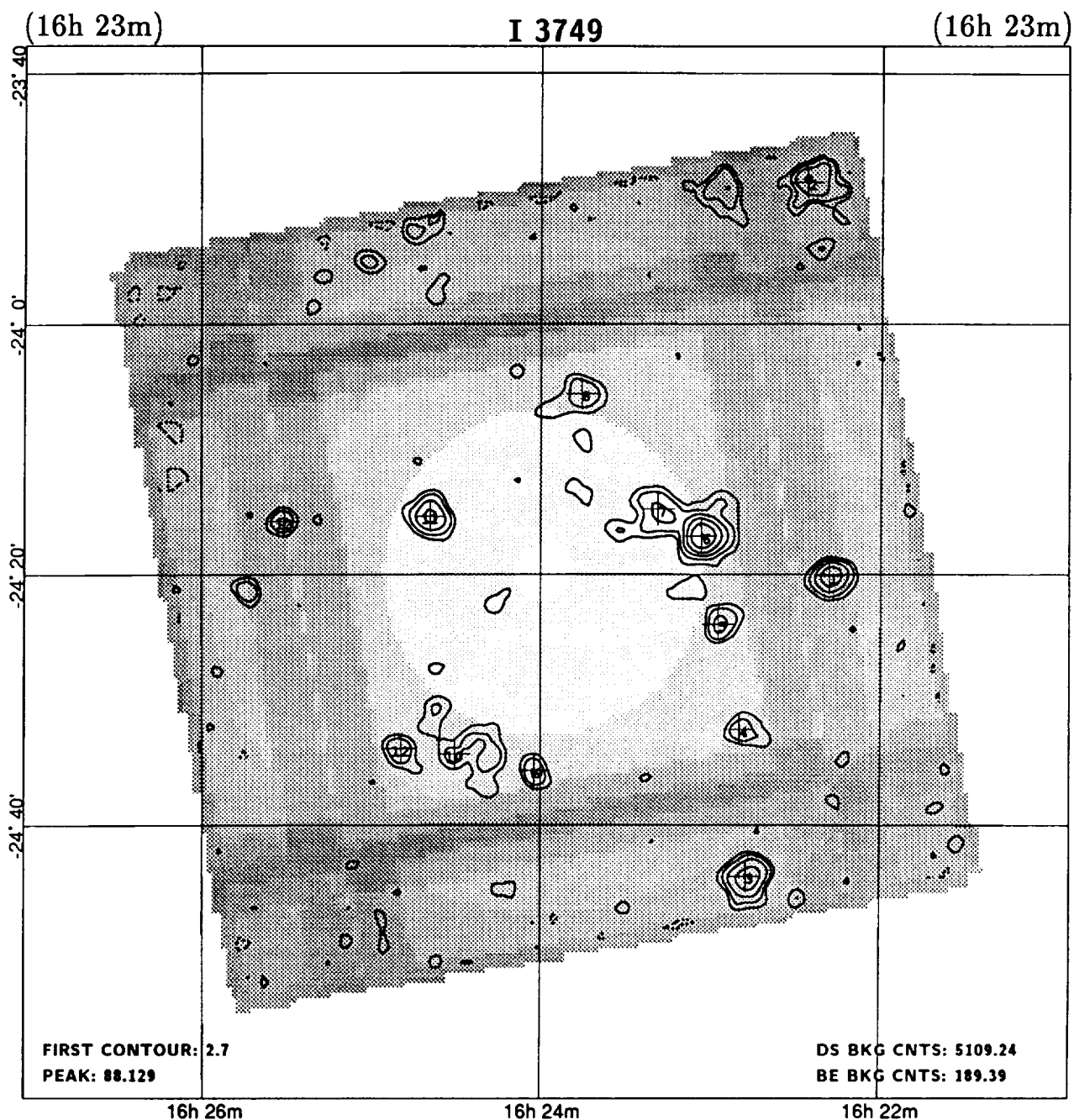


NGC 6146, ELLP. & S0 GAL. W/COMPACT RADIO CORE

FIELD CENTER: $16^{\text{h}}23^{\text{m}}29.5^{\text{s}}$ $41^{\circ}00'23''$ (B1950)
 $16^{\text{h}}25^{\text{m}}10.2^{\text{s}}$ $40^{\circ}53'37''$ (J2000)
 $l: 64.79$ $b: 44.37$

DATE: 1980/200 - 1980/201
LIVETIME: 1123.2s
ROLL ANGLE: 49.5°

NH: $9.4\text{E}+19$
REF/ID:
FIELD FLAGS: L



RHO OPH COMPACT RADIO SOURCE

FIELD CENTER: $16^{\text{h}}23^{\text{m}}58.3^{\text{s}}$ $-24^{\circ}19'51''$ (B1950)
 $16^{\text{h}}26^{\text{m}}59.8^{\text{s}}$ $-24^{\circ}26'33''$ (J2000)
 $l: 353.13$ $b: 16.79$

DATE: 1979/ 67 - 1979/251
 LIVETIME: 4140.2s

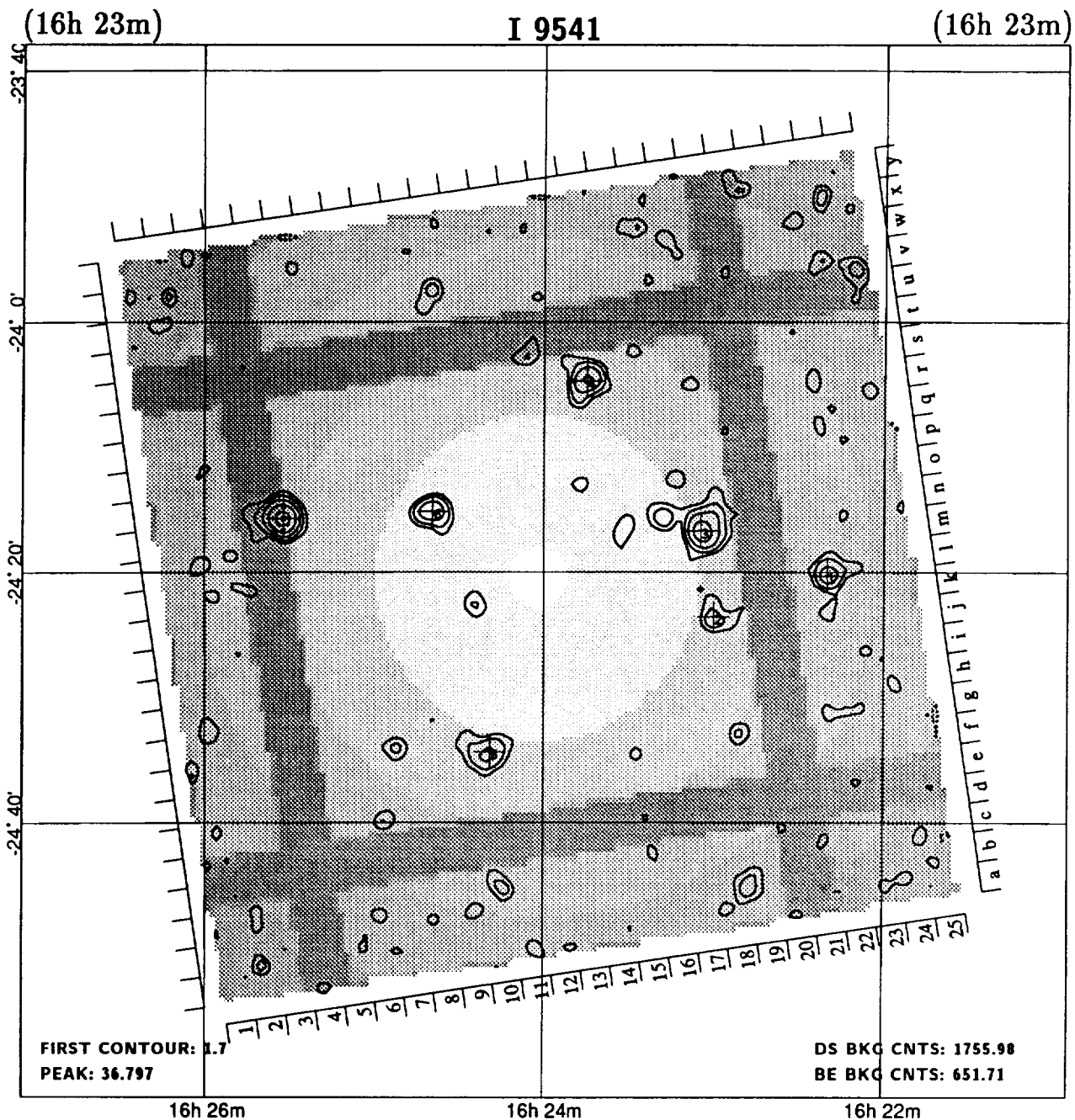
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3662	1	16 22 18.0	-24 20 09	48	*0.0401	0.0048	77.4	7.6	8.4	1.0	1409	22.8	A	
3663	2	16 22 26.1	-23 48 40	52	0.0265	0.0060	24.9	7.1	4.4	1.4	0	37.8	H	
3667	3	16 22 47.1	-24 44 05	50	0.0455	0.0058	68.5	7.5	7.9	1.2	0	29.3	H	
3668	4	16 22 49.5	-24 32 21	52	0.0119	0.0028	25.2	10.8	4.2	0.9	100	19.9	AH	
3670	5	16 22 57.1	-24 24 01	41	0.0160	0.0029	39.8	11.2	5.6	0.9	0	14.3	A	
3672	6	16 23 03.1	-24 16 55	38	0.1008	0.0064	261.8	11.2	15.8	1.5	0	12.8	AH	
3677	7	16 23 18.5	-24 14 45	41	0.0214	0.0030	58.9	11.1	7.0	7.1	0	10.6	H	
3685	8	16 23 45.5	-24 05 34	42	0.0147	0.0028	36.4	10.6	5.3	1.3	0	14.8	A	
3686	9	16 24 02.2	-24 35 37	51	0.0129	0.0027	31.1	10.9	4.8	0.8	400	15.6		
3690	10	16 24 30.4	-24 34 21	55	0.0099	0.0024	23.5	9.5	4.1	3.2	0	16.6		

Source Table cont.

I 3749 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3694	11	16 24 39.3	-24 15 20	38	0.0305	0.0036	83.9	12.1	8.6	1.1	0	10.6	AH	
3696	12	16 24 49.6	-24 33 54	51	0.0132	0.0028	29.6	9.4	4.7	0.8	200	18.4	A	
3701	13	16 25 30.9	-24 15 44	51	*0.0118	0.0027	23.9	7.1	4.3	0.7	1408	21.6	A	



FIELD CENTER: $16^h 23^m 59.9^s$ $-24^\circ 19' 58''$ (B1950)
 $16^h 27^m 01.4^s$ $-24^\circ 26' 40''$ (J2000)
 $l: 353.13$ $b: 16.78$

DATE: 1981/ 39 - 1981/ 39
 LIVETIME: 1422.9s
 ROLL ANGLE: -98.5°

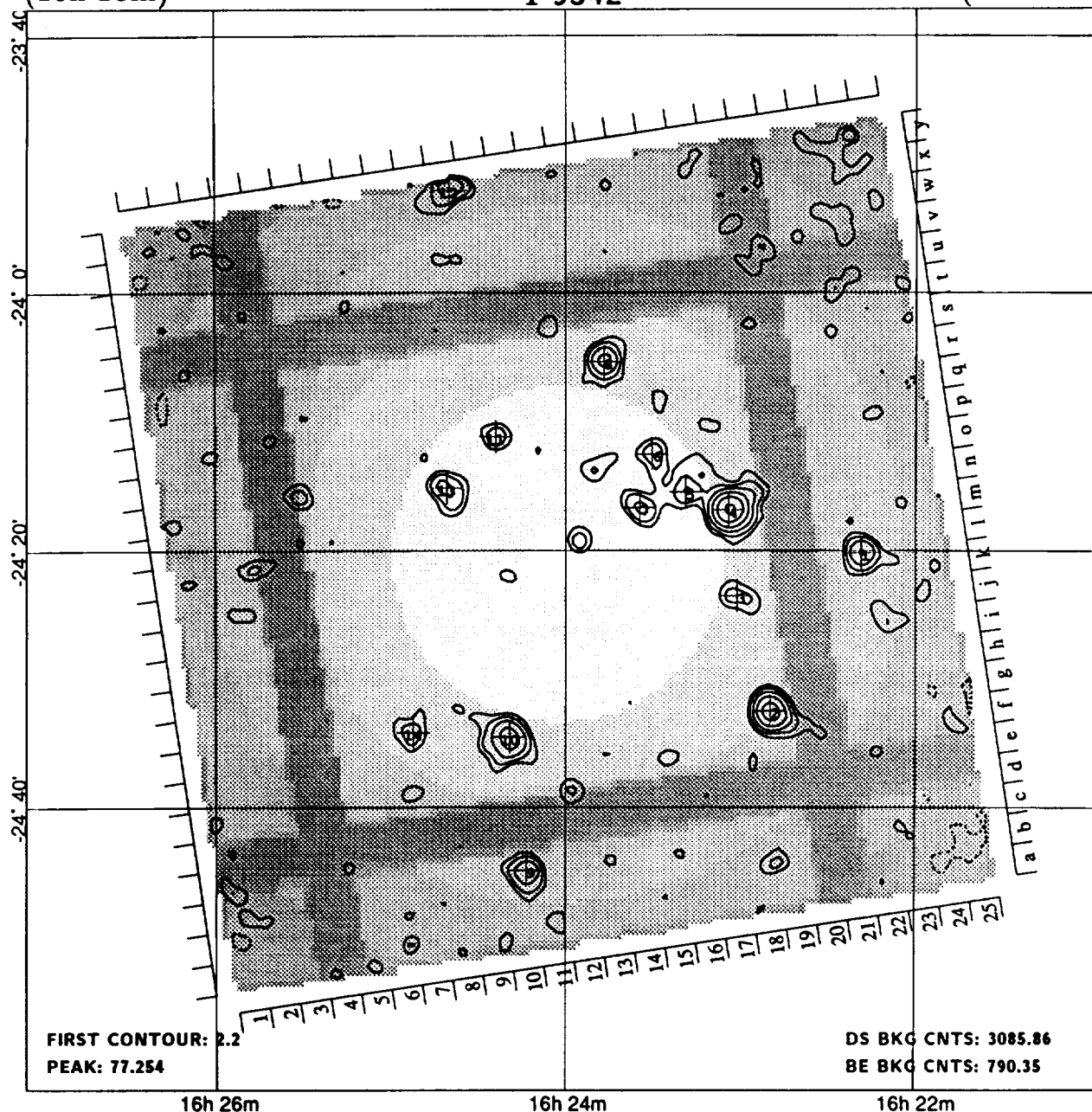
NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3662	1	16 22 19.8	-24 20 18	51	0.0333	0.0078	21.7	4.3	4.2	0.9	0	22.8	AH	
3670	2	16 22 59.8	-24 23 36	46	0.0189	0.0054	16.1	4.9	3.5	0.8	0	14.2	AH	
3672	3	16 23 04.4	-24 16 40	38	0.0781	0.0098	68.0	5.0	8.0	1.4	0	12.8	AH	
3685	4	16 23 44.8	-24 04 43	50	0.0502	0.0083	40.8	5.2	6.0	1.0	100	15.7	AH	
3688	5	16 24 19.0	-24 34 19	51	0.0316	0.0066	27.1	4.9	4.8	1.1	0	15.1	AH	
3694	6	16 24 39.4	-24 15 07	41	0.0414	0.0071	39.2	5.8	5.8	0.9	0	10.4	AH	
3701	7	16 25 32.2	-24 15 42	48	*0.118	0.013	83.3	2.7	9.0	1.0	906	21.7	AH	

(16h 23m)

I 9542

(16h 23m)



RHO OPH DARK CLOUD, CENTER

FIELD CENTER: $16^{\text{h}}23^{\text{m}}59.9^{\circ}$ $-24^{\circ}19'58''$ (B1950)
 $16^{\text{h}}27^{\text{m}}01.4^{\circ}$ $-24^{\circ}26'40''$ (J2000)
 $l: 353.13$ $b: 16.78$

DATE: 1981/ 41 - 1981/ 41
 LIVETIME: 2500.6s
 ROLL ANGLE: -98.6°

NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3662	1	16 22 18.6	-24 20 09	50	0.0337	0.0059	38.2	6.8	5.7	0.9	0	23.1	AH	
3668	2	16 22 49.7	-24 32 29	48	0.0990	0.0092	124.8	8.2	10.8	1.0	400	20.1	AH	
3670	3	16 23 01.1	-24 23 29	47	0.0129	0.0034	19.5	7.5	3.7	0.9	0	14.5	AH	
3672	4	16 23 03.9	-24 16 48	38	0.152	0.010	232.0	8.0	15.0	1.4	0	13.1	AH	
3678	5	16 23 18.7	-24 15 25	42	0.0163	0.0036	26.6	8.4	4.5	11.5	0	10.6		
3682	6	16 23 30.3	-24 12 29	43	0.0124	0.0033	20.5	8.5	3.8	16.1	0	10.0		
3683	7	16 23 34.4	-24 16 38	41	0.0211	0.0039	36.6	9.4	5.4	11.0	0	6.8		
3685	8	16 23 46.8	-24 05 17	50	0.0394	0.0056	57.6	8.4	7.1	0.9	0	15.1	AH	
3687	9	16 24 13.5	-24 44 56	50	0.0319	0.0059	34.8	6.2	5.4	0.9	600	24.9	AH	
3688	10	16 24 19.1	-24 34 31	48	0.0571	0.0065	85.3	7.7	8.8	1.2	0	15.2	AH	

Source Table cont.

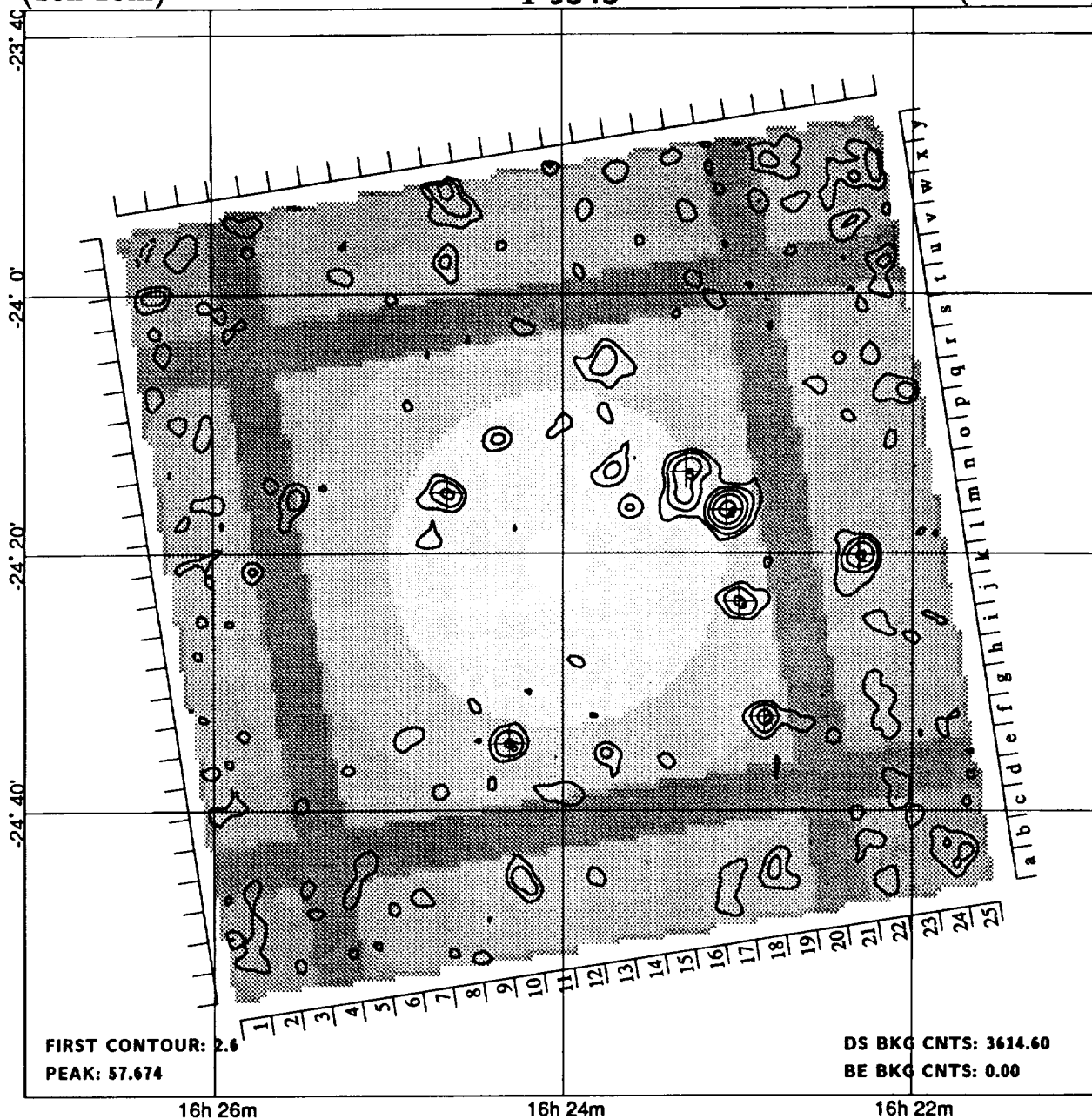
I 9542 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3689	11	16 24 24.0	-24 11 10	42	0.0122	0.0033	20.1	9.9	3.7	0.6	0	10.5		
3695	12	16 24 40.0	-23 52 04	51	*0.0361	0.0076	28.0	7.0	4.7	1.1	804	29.5	EH	
3694	13	16 24 40.8	-24 15 07	41	0.0215	0.0040	35.8	9.2	5.3	0.9	0	10.7	AH	
3696	14	16 24 52.4	-24 34 10	55	0.0142	0.0038	19.4	7.6	3.7	0.7	0	18.6	A	

(16h 23m)

I 9543

(16h 23m)



RHO OPH DARK CLOUD, CENTER

FIELD CENTER: $16^{\text{h}}23^{\text{m}}59.9^{\text{s}}$ $-24^{\circ}19'58''$ (B1950)
 $16^{\text{h}}27^{\text{m}}01.4^{\text{s}}$ $-24^{\circ}26'40''$ (J2000)
 $l: 353.13$ $b: 16.78$

DATE: 1981/ 43 - 1981/ 43
 LIVETIME: 2929.0s
 ROLL ANGLE: -98.7°

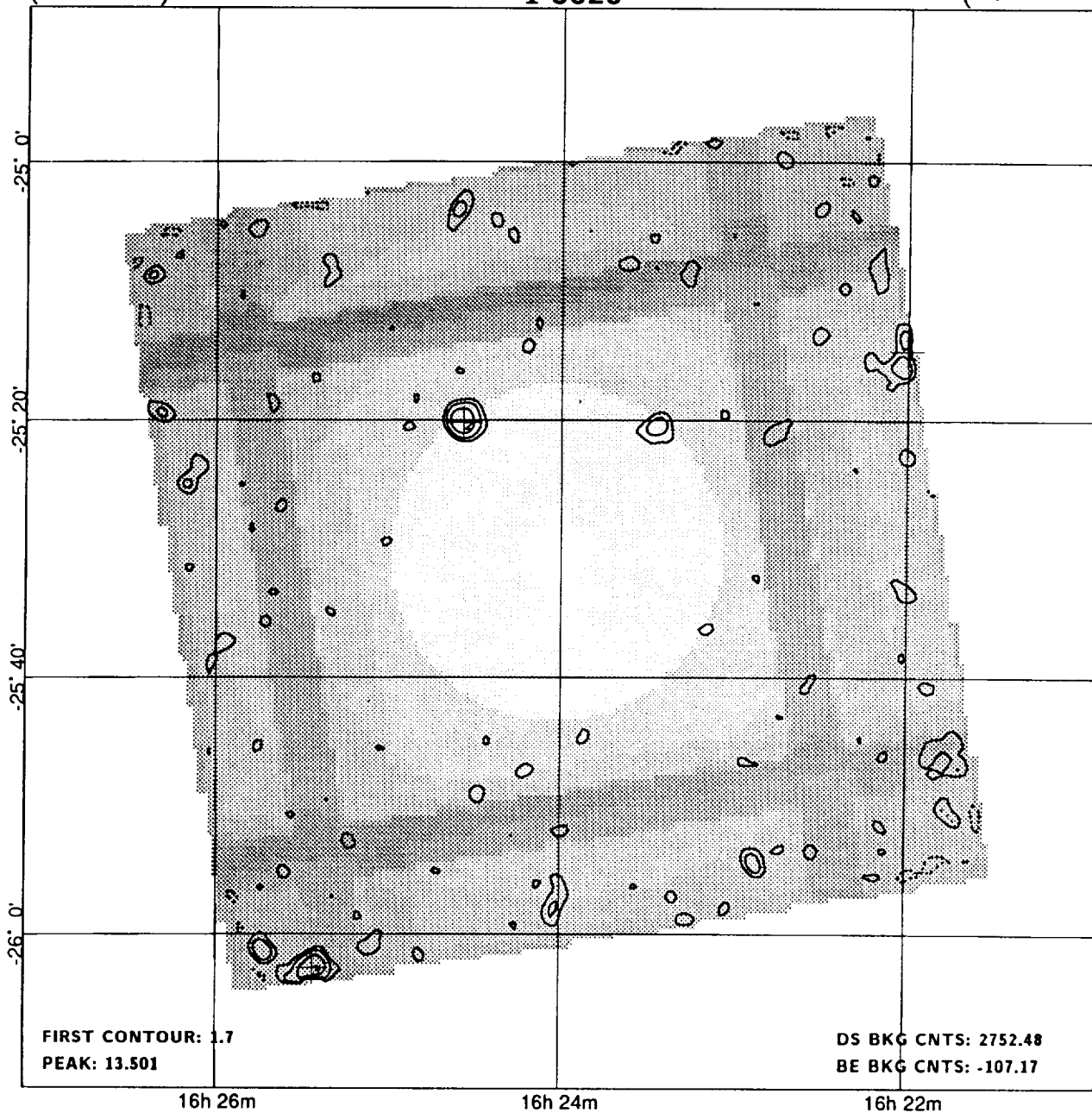
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3662	1L	16 22 18.4	-24 20 06	50	0.0382	0.0064	50.7	6.3	5.8	1.1	0	23.0	A	
3668	2L	16 22 50.6	-24 32 41	51	0.0183	0.0048	27.2	9.8	3.7	1.0	0	20.3	A	
3670	3L	16 22 59.5	-24 23 41	42	0.0186	0.0044	32.5	10.5	4.1	0.9	0	14.3	A	
3672	4L	16 23 03.8	-24 16 38	38	0.0903	0.0083	161.4	11.6	10.8	1.6	0	13.1	A	
3676	5L	16 23 17.7	-24 13 42	41	0.0285	0.0054	53.2	20.8	5.1	4.3	0	11.5		
3688	6L	16 24 18.5	-24 34 49	51	0.0208	0.0042	36.3	5.7	4.8	0.8	0	15.5	A	
3694	7L	16 24 39.9	-24 15 19	41	0.0203	0.0041	39.6	9.4	4.7	0.9	0	10.3	A	

(16h 24m)

I 3828

(16h 24m)



GAMMA RAY SOURCE CG 353+16 AND VICINITY

FIELD CENTER: $16^{\text{h}}24^{\text{m}}00.0^{\text{s}}$ $-25^{\circ}29'59''$ (B1950)
 $16^{\text{h}}27^{\text{m}}03.0^{\text{s}}$ $-25^{\circ}36'41''$ (J2000)
 $l: 352.22$ $b: 16.00$

DATE: 1979/250 - 1980/ 51
 LIVETIME: 2230.4s

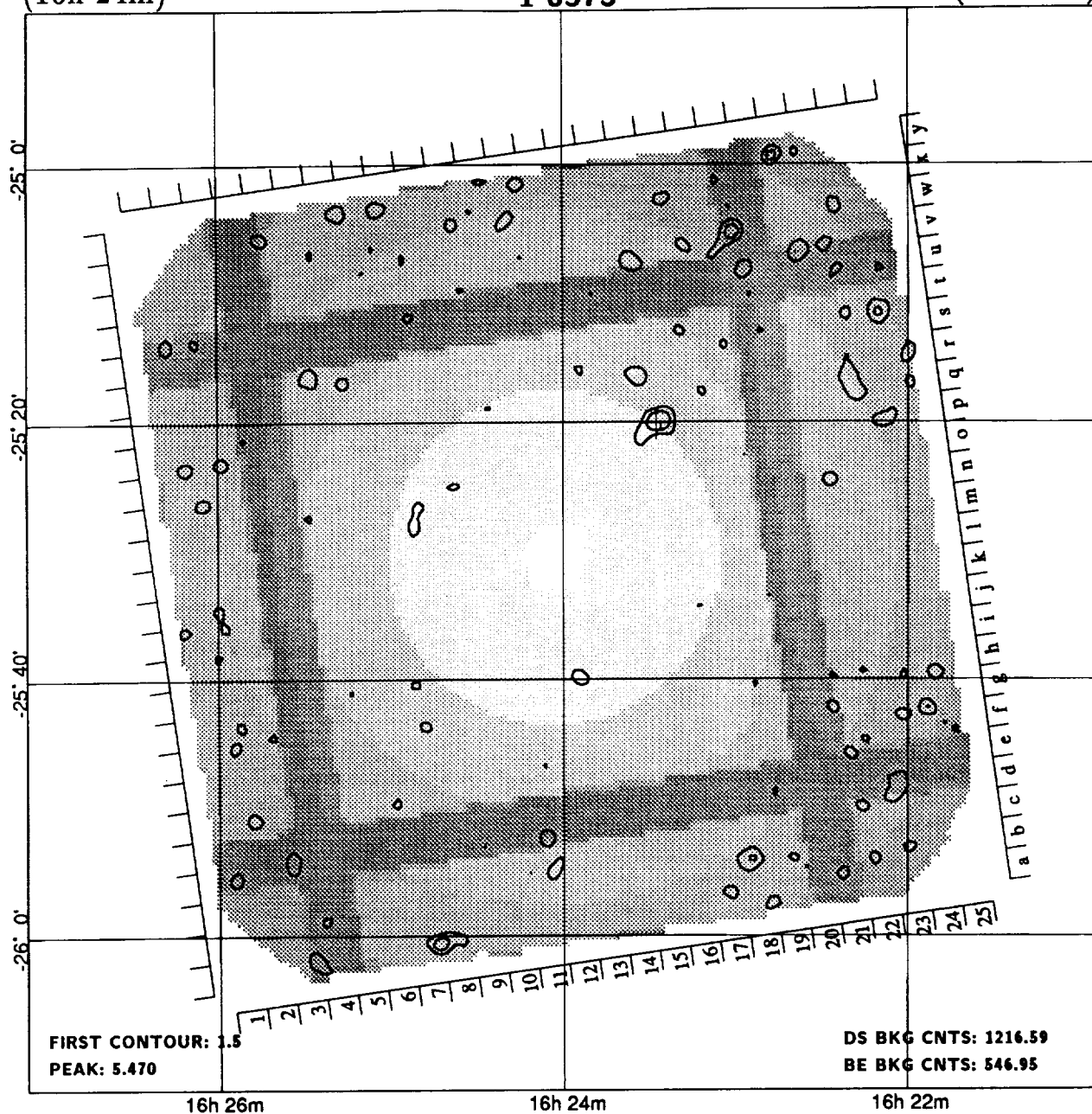
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3659	1	16 22 00.4	-25 14 36	57	*0.0252	0.0071	15.1	2.9	3.6	2.1	703	31.1	EH	
3691	2	16 24 34.2	-25 20 10	41	0.0333	0.0052	46.8	6.2	6.4	0.9	0	12.7	H	
3699	3	16 25 26.3	-26 02 35	55	*0.0358	0.0093	17.3	2.7	3.9	1.1	1004	38.1	AEH	

(16h 24m)

I 8375

(16h 24m)



RHO OPH DARK CLOUD (SOUTH)

FIELD CENTER: $16^{\text{h}}24^{\text{m}}00.0^{\text{s}}$ $-25^{\circ}29'59''$ (B1950)
 $16^{\text{h}}27^{\text{m}}03.0^{\text{s}}$ $-25^{\circ}36'41''$ (J2000)
 $l: 352.22$ $b: 16.00$

DATE: 1981/ 38 - 1981/ 38
 LIVETIME: 985.9s
 ROLL ANGLE: -98.0°

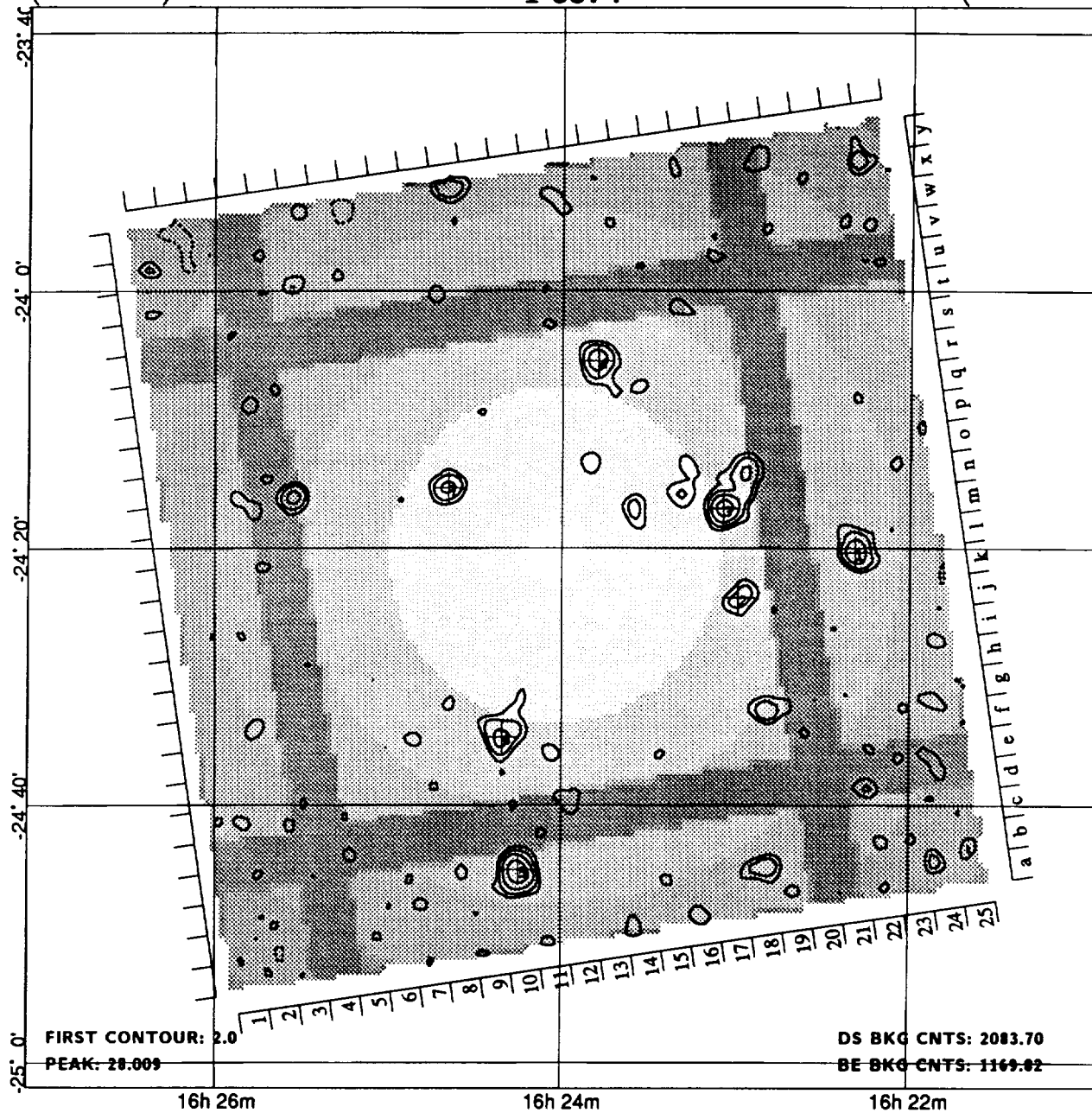
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3681	1	16 23 27.5	-25 20 05	46	0.0290	0.0077	17.8	4.2	3.8	0.8	0	12.2		

(16h 24m)

I 8374

(16h 24m)



RHO OPH DARK CLOUD (CENTER)

FIELD CENTER: $16^{\text{h}}24^{\text{m}}00.0^{\text{s}}$ $-24^{\circ}19'59''$ (B1950)
 $16^{\text{h}}27^{\text{m}}01.5^{\text{s}}$ $-24^{\circ}26'41''$ (J2000)
 $l: 353.13$ $b: 16.78$

DATE: 1981/ 38 - 1981/ 38
 LIVETIME: 1688.5s
 ROLL ANGLE: -98.4°

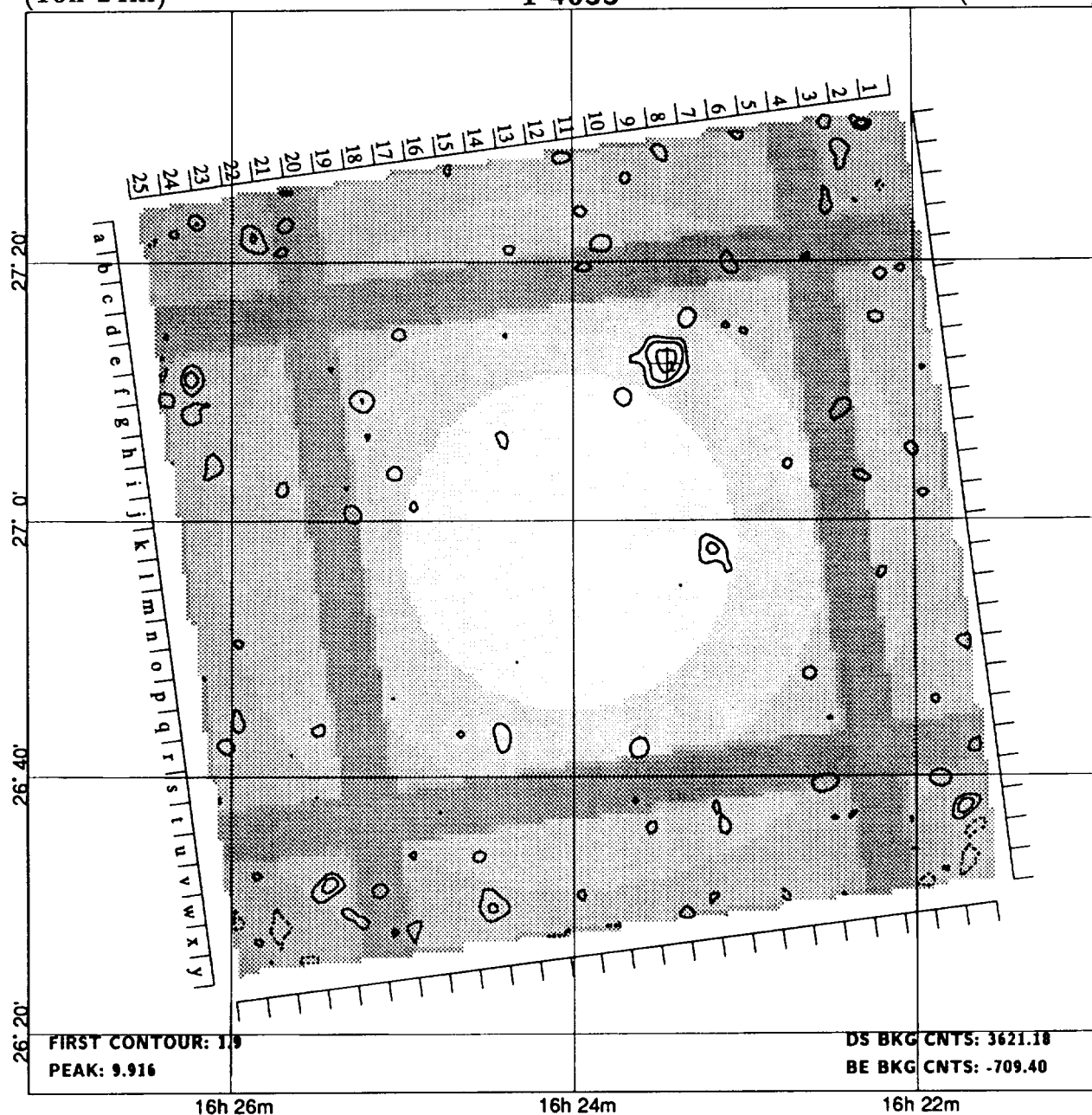
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3662	1L	16 22 18.8	-24 20 19	51	0.0343	0.0090	26.3	8.7	3.7	1.0	0	22.9	A	
3670	2L	16 22 59.0	-24 23 47	45	0.0219	0.0058	22.0	4.0	3.6	0.7	0	14.5	A	
3672	3L	16 23 04.2	-24 16 52	38	0.0558	0.0090	57.8	9.2	6.0	1.3	0	13.1	A	
3685	4L	16 23 47.6	-24 05 21	41	0.0321	0.0076	31.5	9.5	4.1	0.9	0	14.9	A	
3687	5L	16 24 14.7	-24 44 56	50	0.088	0.013	64.6	3.4	6.7	1.0	600	25.0	A	
3688	6L	16 24 20.6	-24 34 38	51	0.0300	0.0074	30.3	10.7	3.9	1.1	0	15.3	A	
3694	7L	16 24 39.4	-24 15 16	41	0.0293	0.0063	33.0	6.0	4.5	0.8	0	10.1	A	

(16h 24m)

I 4053

(16h 24m)



HIGH REDSHIFT QUASAR

FIELD CENTER: $16^{\text{h}}24^{\text{m}}02.9^{\text{s}}$ $26^{\circ}57'32''$ (B1950)
 $16^{\text{h}}26^{\text{m}}05.6^{\text{s}}$ $26^{\circ}50'49''$ (J2000)
 ℓ : 45.55 b : 42.57

DATE: 1979/242 - 1979/242
 LIVETIME: 2934.3s
 ROLL ANGLE: 82.6°

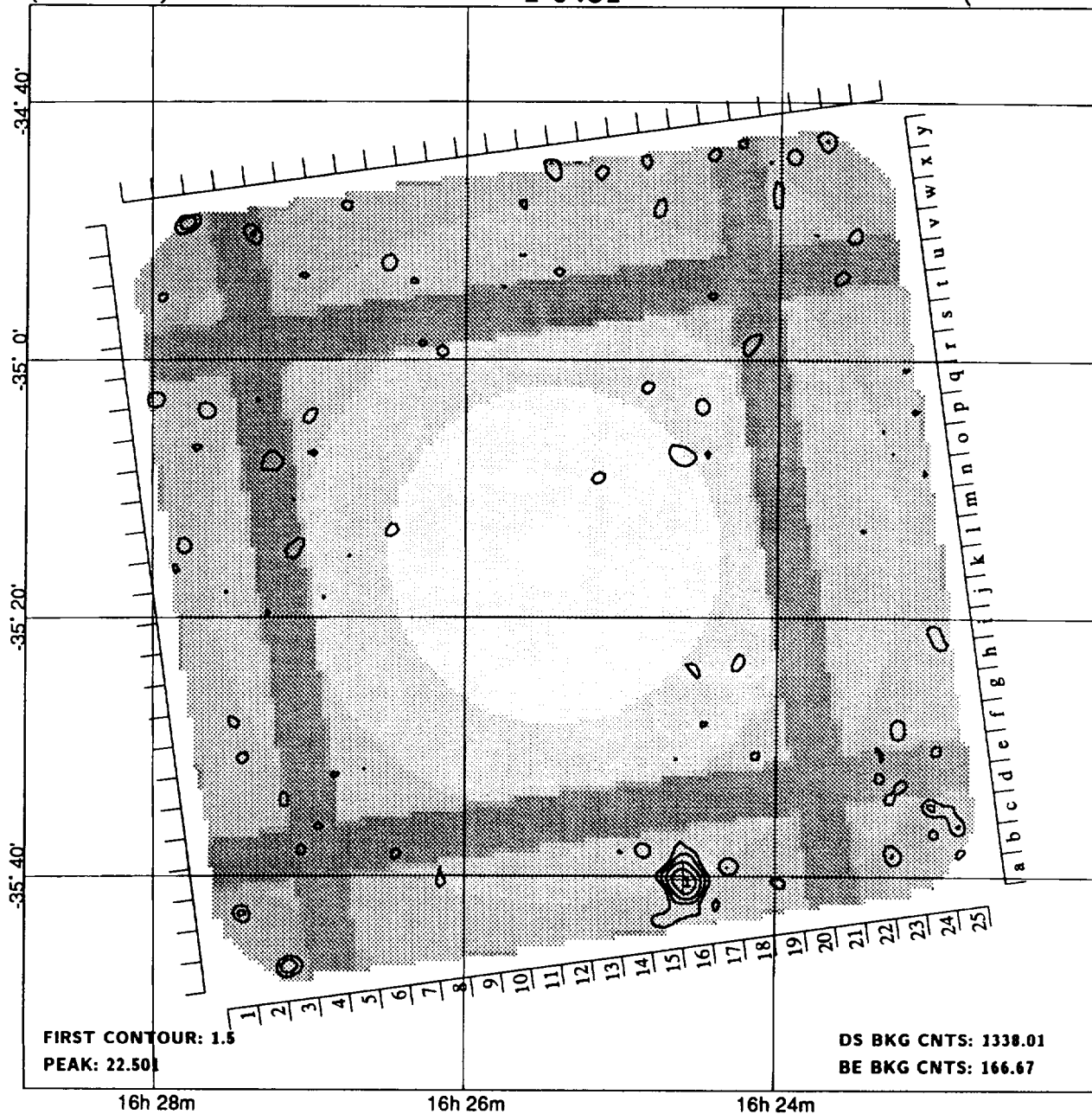
NH: $3.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3680	1	16 23 26.6	27 12 05	51	0.0244	0.0040	41.4	5.6	6.0	1.2	0	16.9	AH

(16h 25m)

I 6431

(16h 25m)



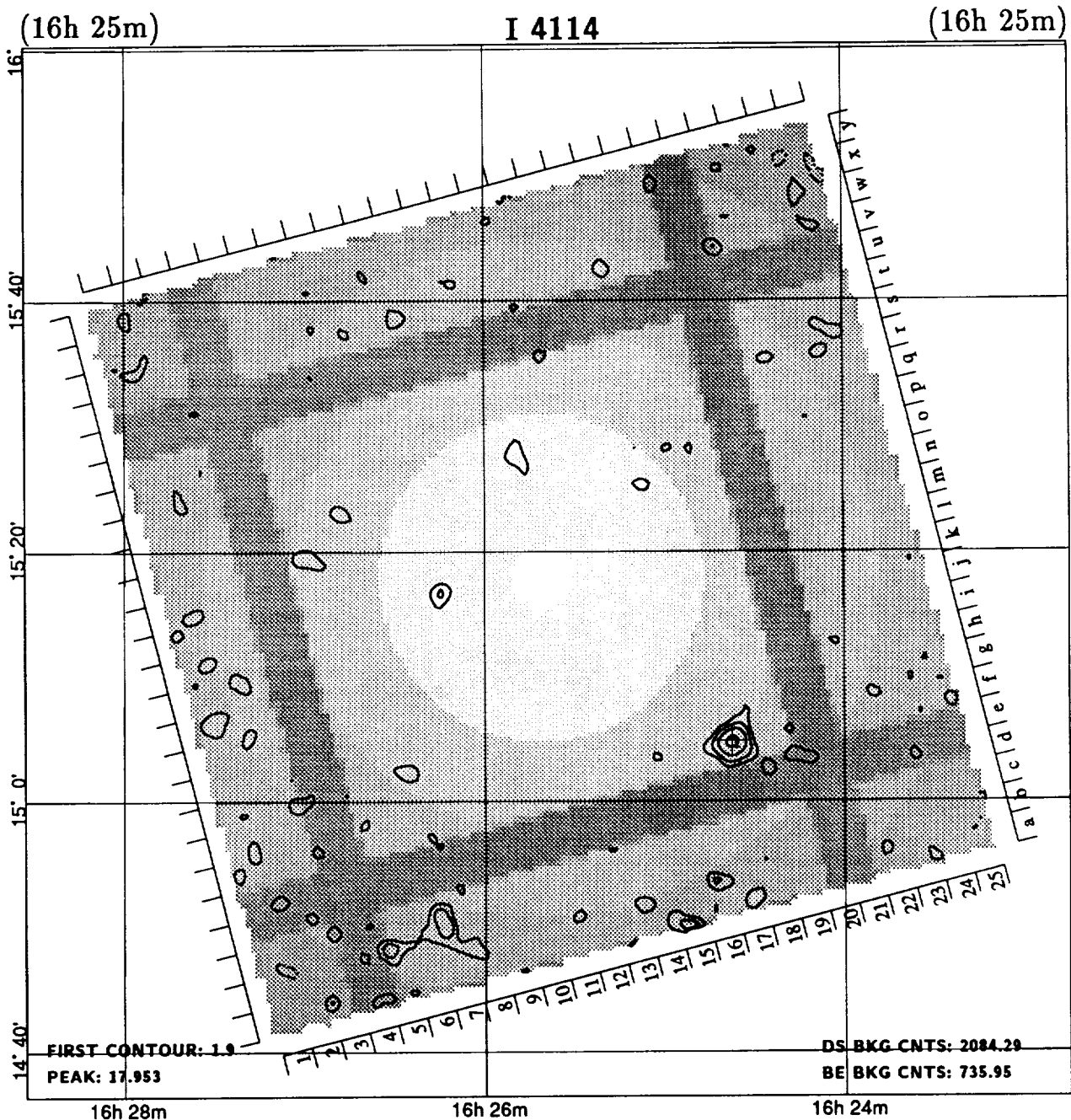
TERZAN 3, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $16^{\text{h}}25^{\text{m}}22.9^{\text{s}}$ $-35^{\circ}14'36''$ (B1950)
 $16^{\text{h}}28^{\text{m}}40.1^{\text{s}}$ $-35^{\circ}21'12''$ (J2000)
 $l: 345.08$ $b: 9.19$

DATE: 1980/ 53 - 1980/ 53
 LIVETIME: 1084.2s
 ROLL ANGLE: -97.8°

NH: $1.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3692	1	16 24 35.4	-35 40 15	50	0.103	0.016	44.2	2.8	6.5	1.1	0	27.2	H



FIELD CENTER: $16^h 25^m 38.9^s$ $15^\circ 18' 23''$ (B1950)
 $16^h 27^m 55.9^s$ $15^\circ 11' 47''$ (J2000)
 $l: 31.13$ $b: 38.53$

DATE: 1980/ 36 - 1980/ 36
 LIVETIME: 1689.0s
 ROLL ANGLE: -104.4°

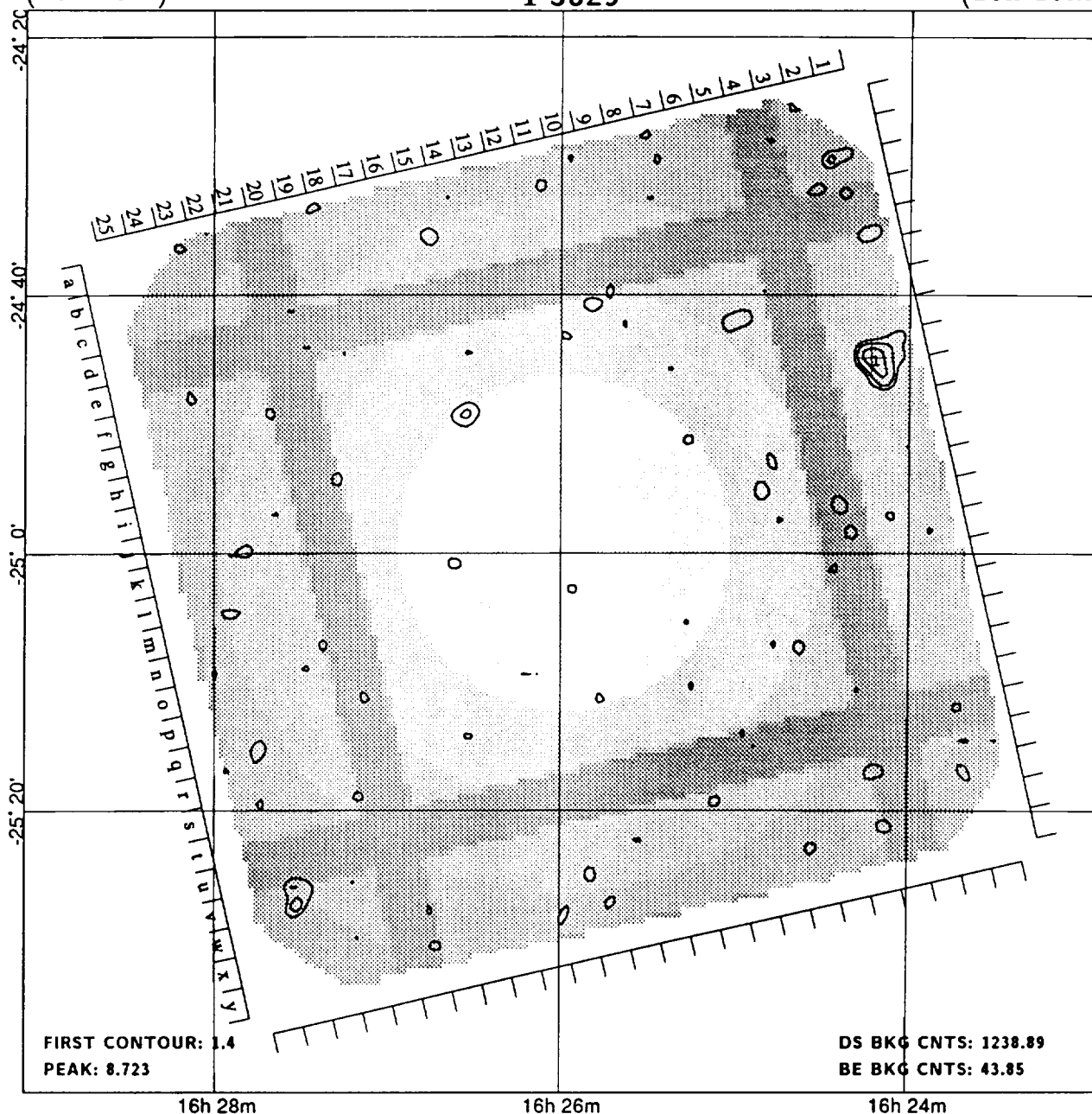
NH: $4.5E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3693	1L	16 24 37.5	15 04 49	50	0.0532	0.0095	45.8	6.2	5.4	1.0	100	20.1		

(16h 25m)

I 3829

(16h 25m)



GAMMA RAY SOURCE CG 353+16 AND VICINITY

FIELD CENTER: $16^h 25^m 59.9^s$ $-24^\circ 59' 59''$ (B1950) $16^h 29^m 02.4^s$ $-25^\circ 06' 33''$ (J2000) ℓ : 352.92 b : 16.00

DATE: 1979/250 - 1979/251

LIVETIME: 1003.9s

ROLL ANGLE: 77.1° NH: $1.4E+21$

REF/ID:

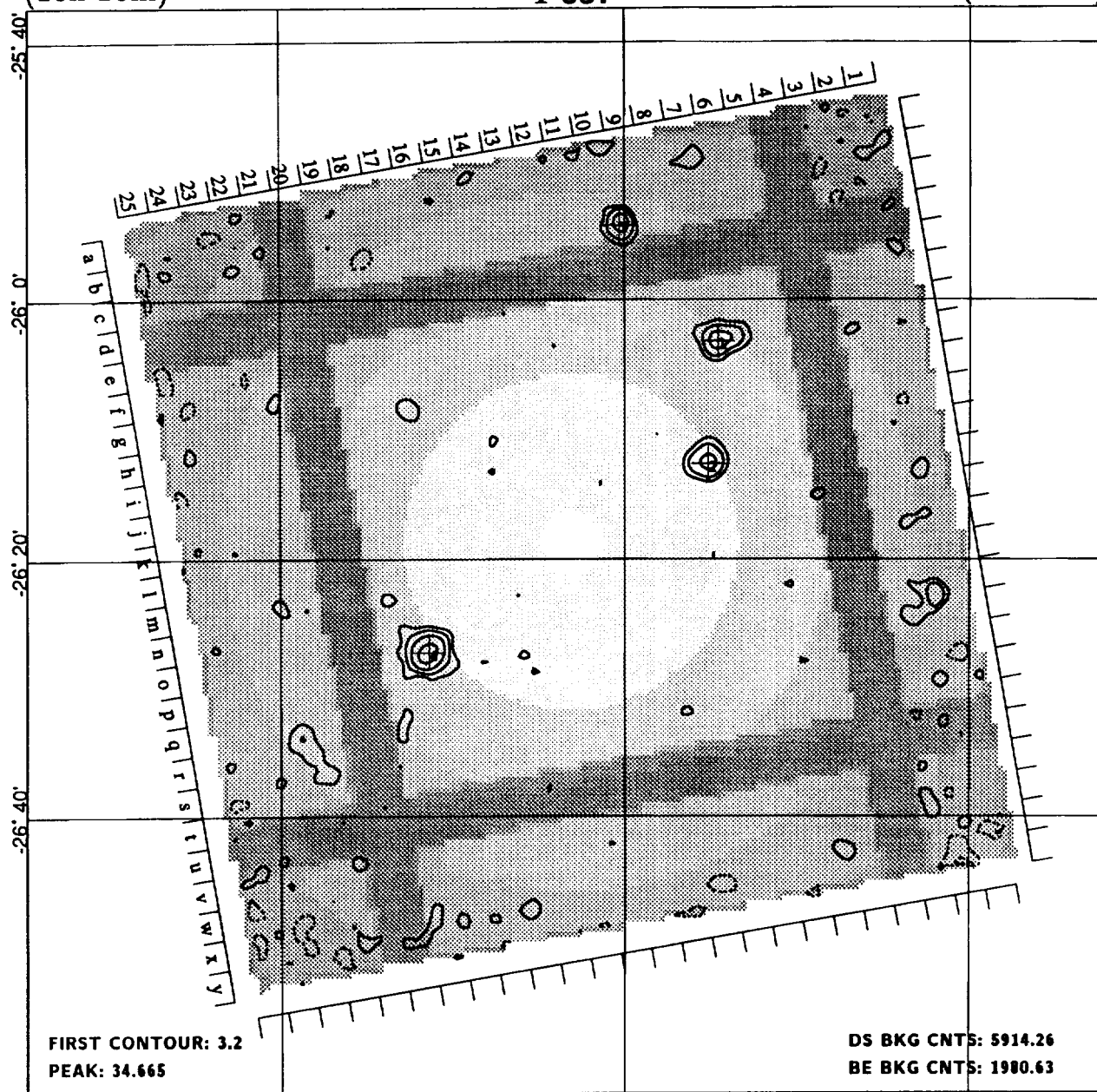
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3687	1	16 24 13.2	-24 44 53	54	0.046	0.012	17.9	2.1	4.0	1.3	0	28.6	AH	

(16h 26m)

I 857

(16h 26m)



16h 28m

16h 26m

16h 24m

ALPHA SCO STELLAR OBSERVATIONS, M STARS

FIELD CENTER: $16^{\text{h}}26^{\text{m}}20.1^{\text{s}}$ $-26^{\circ}19'21''$ (B1950)
 $16^{\text{h}}29^{\text{m}}24.3^{\text{s}}$ $-26^{\circ}25'53''$ (J2000)
 $l: 351.95$ $b: 15.06$

DATE: 1979/253 - 1979/253
 LIVETIME: 4792.5s
 ROLL ANGLE: 80.2°

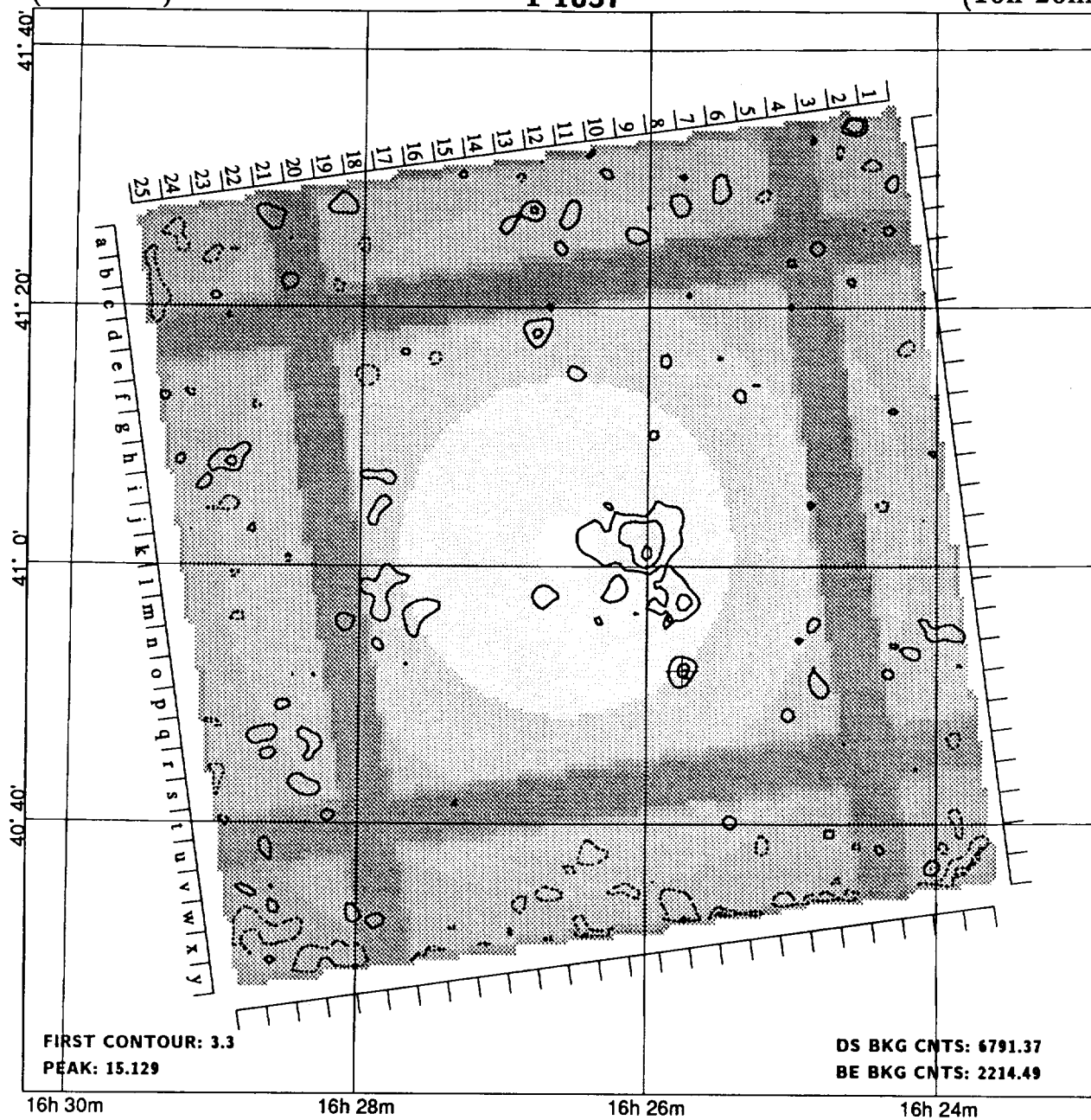
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3699	1	16 25 27.4	-26 03 11	50	0.0188	0.0031	47.1	13.9	6.0	1.1	0	19.9	AH	
3700	2	16 25 30.8	-26 12 34	41	0.0190	0.0028	57.7	16.3	6.7	1.0	0	13.4	H	
3704	3	16 26 01.8	-25 54 10	51	0.0173	0.0034	35.9	13.1	5.1	0.8	500	25.5		
3706	4	16 27 08.3	-26 27 17	38	0.0405	0.0040	117.5	15.5	10.2	1.1	0	13.4	H	

(16h 26m)

I 1857

(16h 26m)



A2197: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $16^{\text{h}}26^{\text{m}}36.0^{\text{s}}$ $41^{\circ}01'00''$ (B1950)
 $16^{\text{h}}26^{\text{m}}16.4^{\text{s}}$ $40^{\circ}54'27''$ (J2000)
 $l: 64.81$ $b: 43.79$

DATE: 1979/239 - 1979/240
 LIVETIME: 5503.2s
 ROLL ANGLE: 82.0°

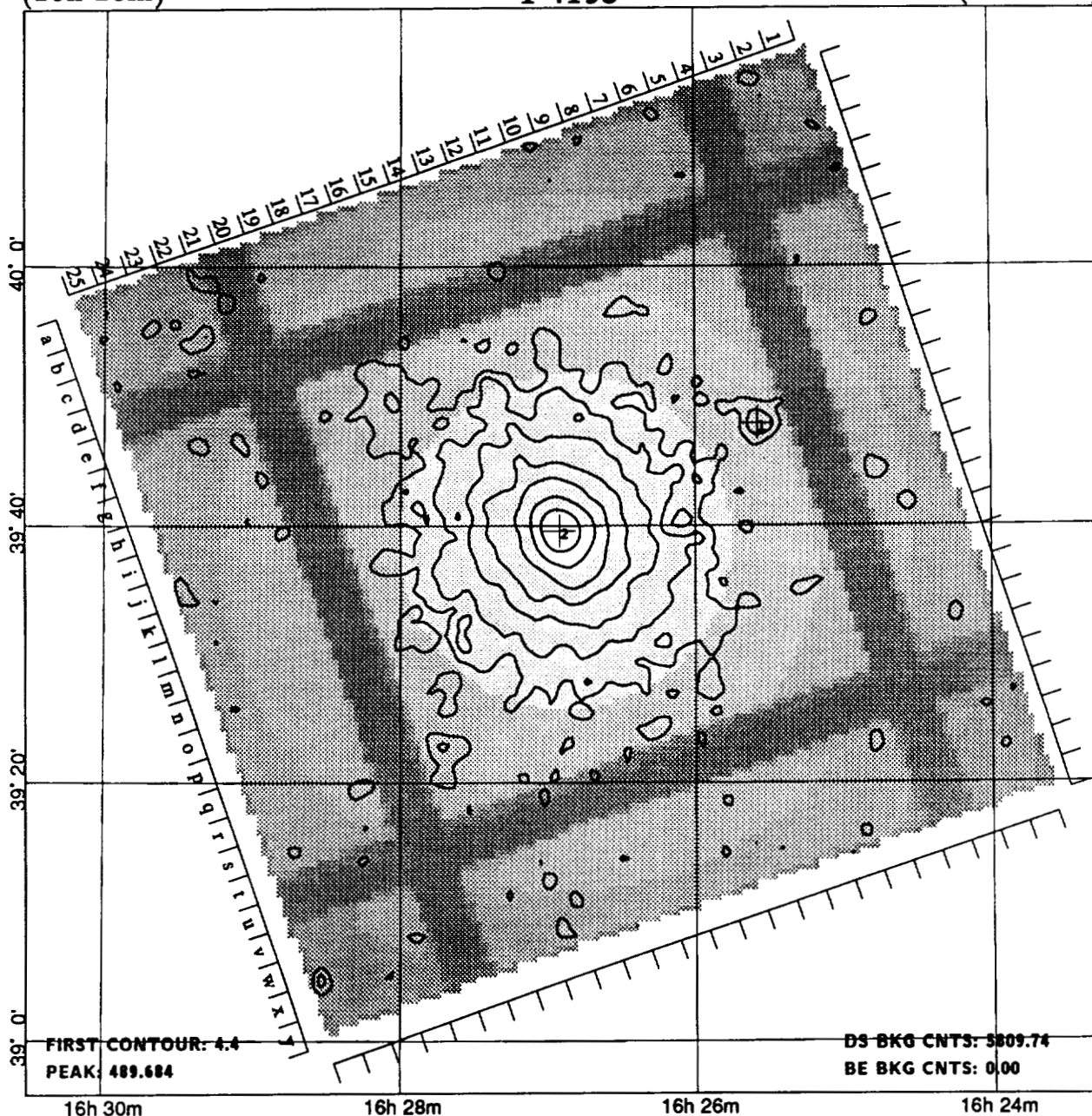
NH: $9.5\text{E}+19$
 REF/ID: !
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3703	1L	16 25 45.3	40 51 54	43	0.0091	0.0024	31.2	16.8	3.6	0.7	0	13.3		

(16h 26m)

I 4193

(16h 26m)



A 2199, CLUSTER WITH WELL-STUDIED OPTICAL PROPERTIES

FIELD CENTER: $16^{\text{h}}26^{\text{m}}53.9^{\text{s}}$ $39^{\circ}37'59''$ (B1950)
 $16^{\text{h}}28^{\text{m}}36.8^{\text{s}}$ $39^{\circ}31'27''$ (J2000)
 ℓ : 62.90 b : 43.70

DATE: 1979/227 - 1979/227
 LIVETIME: 4707.8s
 ROLL ANGLE: 71.1°

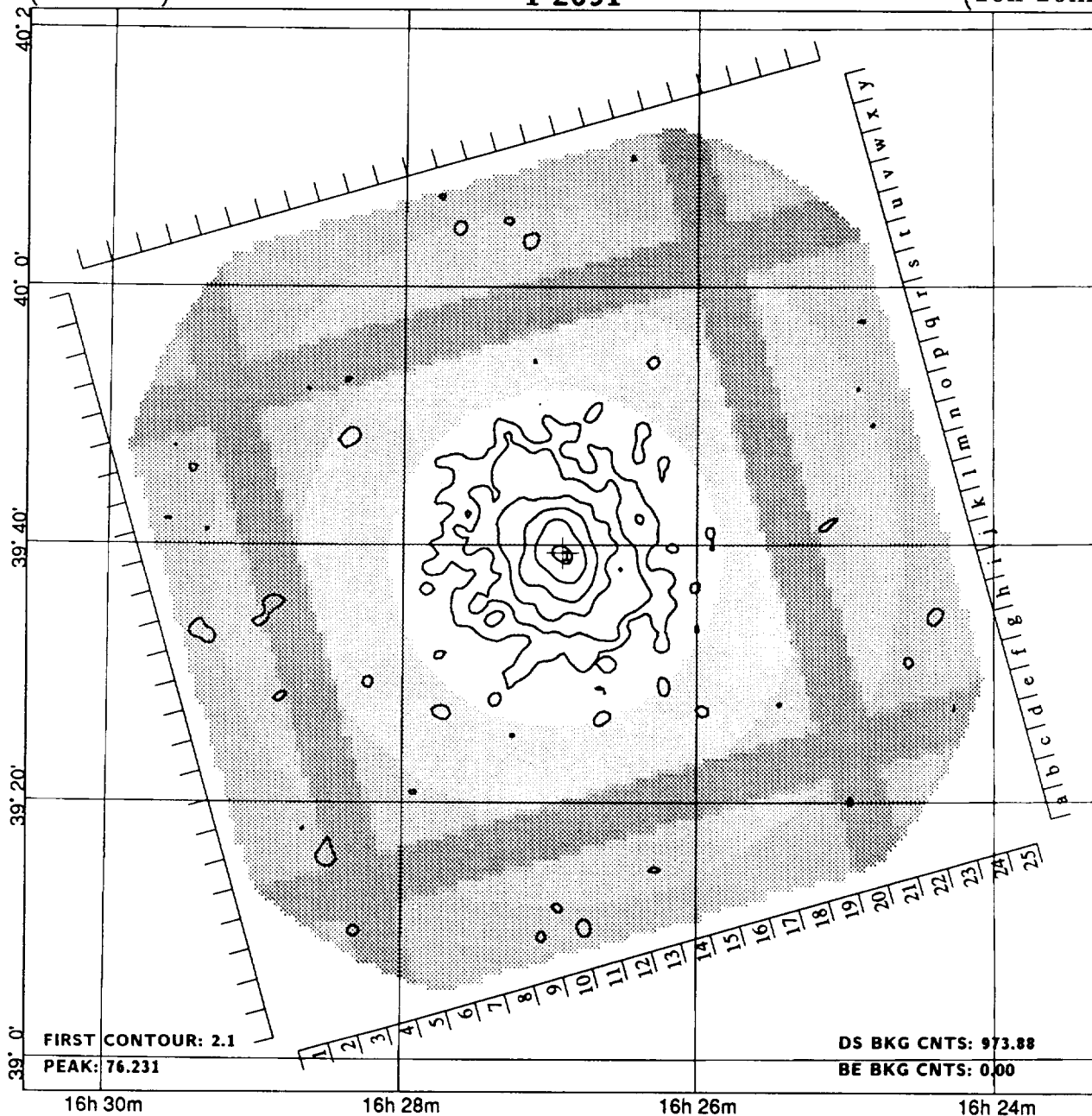
NH: $8.7\text{E}+19$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3702	1L	16 25 34.6	39 47 52	56	0.0126	0.0035	32.7	22.3	3.5	1.1	0	18.2		
3705	2L	16 26 55.3	39 39 36	31	0.391	0.018	1366.7	1222.3	21.8	5.0	0	1.6	A	*

(16h 26m)

I 2691

(16h 26m)



3C 338: BRIGHT X-GALACTIC RADIO SOURCE

FIELD CENTER: $16^{\text{h}}26^{\text{m}}55.2^{\text{s}}$ $39^{\circ}39'30''$ (B1950)
 $16^{\text{h}}28^{\text{m}}38.1^{\text{s}}$ $39^{\circ}32'58''$ (J2000)
 ℓ : 62.93 b : 43.69

DATE: 1979/ 56 - 1979/ 56
 LIVETIME: 789.2s
 ROLL ANGLE: -105.9°

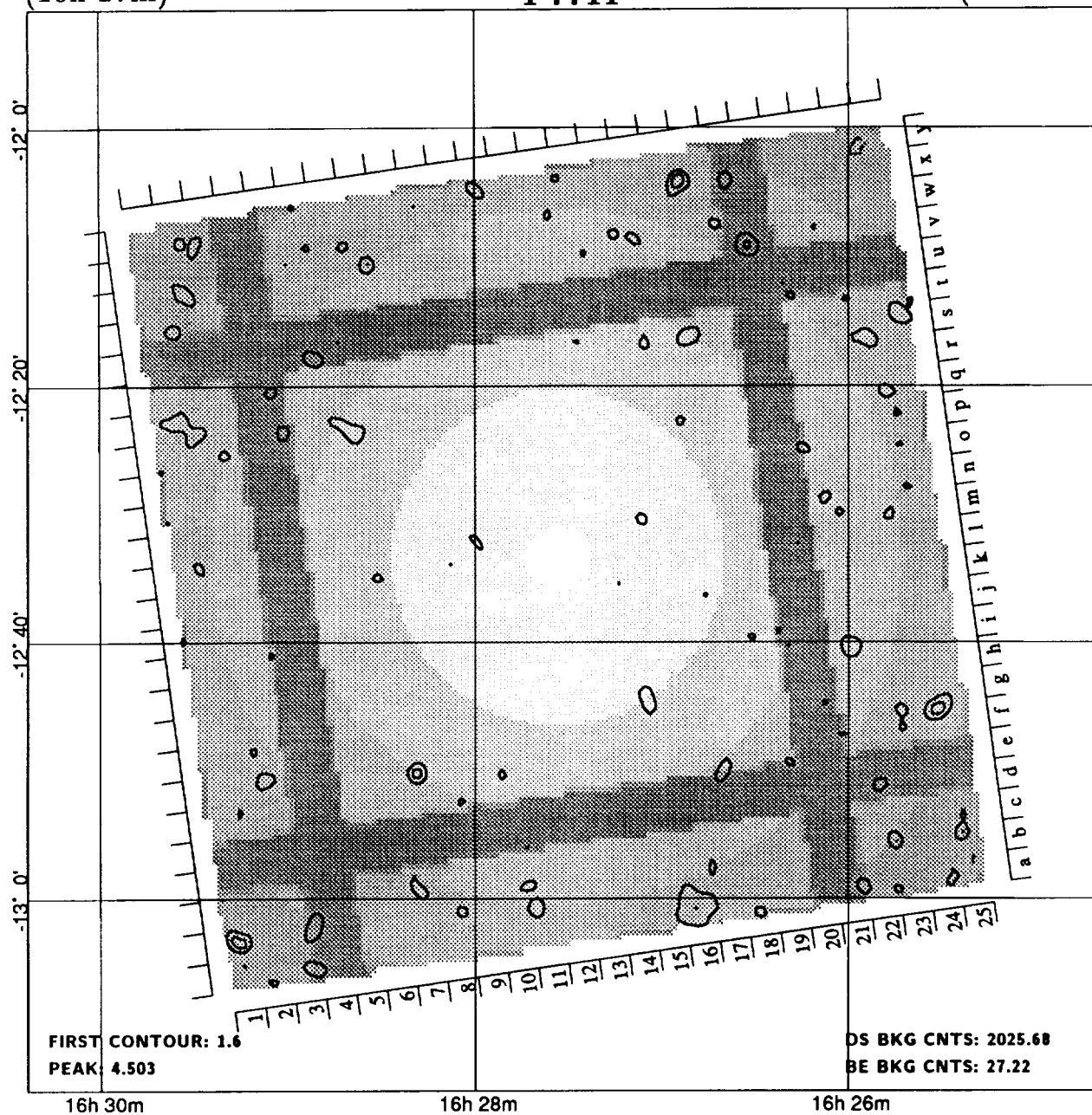
NH: $8.7\text{E}+19$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3705	1L	16 26 55.0	39 39 22	31	0.309	0.042	181.6	206.4	7.3	5.0	0	0.3	A	*

(16h 27m)

I 7711

(16h 27m)



FIELD CENTER: $16^{\text{h}}27^{\text{m}}31.0^{\text{s}}$ $-12^{\circ}32'52''$ (B1950)
 $16^{\text{h}}30^{\text{m}}18.5^{\text{s}}$ $-12^{\circ}39'20''$ (J2000)
 $l: 3.36$ $b: 23.68$

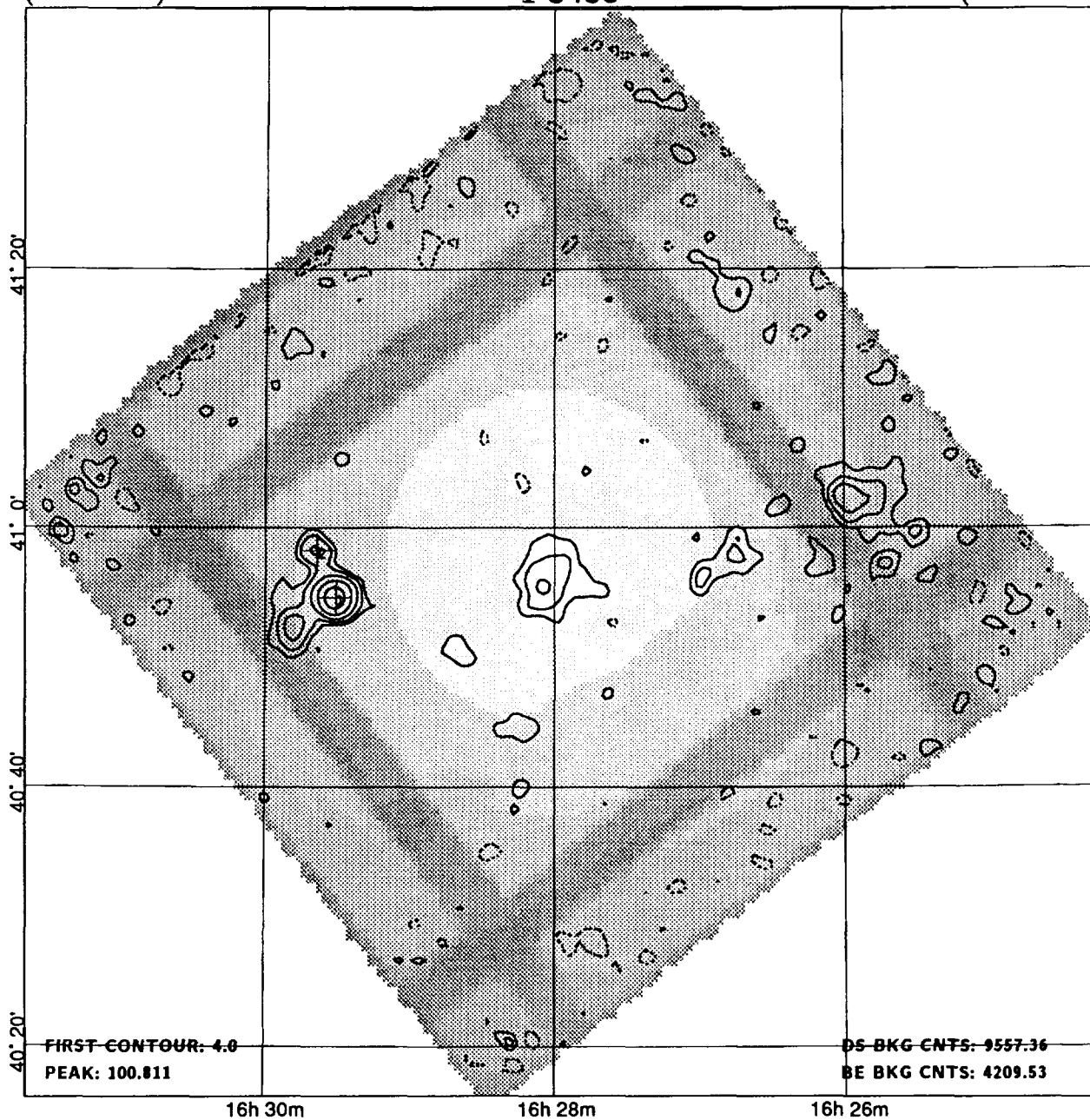
DATE: 1980/ 64 - 1980/ 64
 LIVETIME: 1641.5s
 ROLL ANGLE: -98.0°

NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(16h 27m)

I 3438

(16h 27m)



A2197 SUPERCLUSTER

FIELD CENTER: $16^{\text{h}}27^{\text{m}}57.1^{\text{s}}$ $40^{\circ}58'11''$ (B1950)
 $16^{\text{h}}29^{\text{m}}37.5^{\text{s}}$ $40^{\circ}51'43''$ (J2000)
 $l: 64.75$ $b: 43.53$

DATE: 1979/211 - 1980/ 21
 LIVETIME: 7744.6s

NH: $9.5\text{E}+19$

REF/ID:

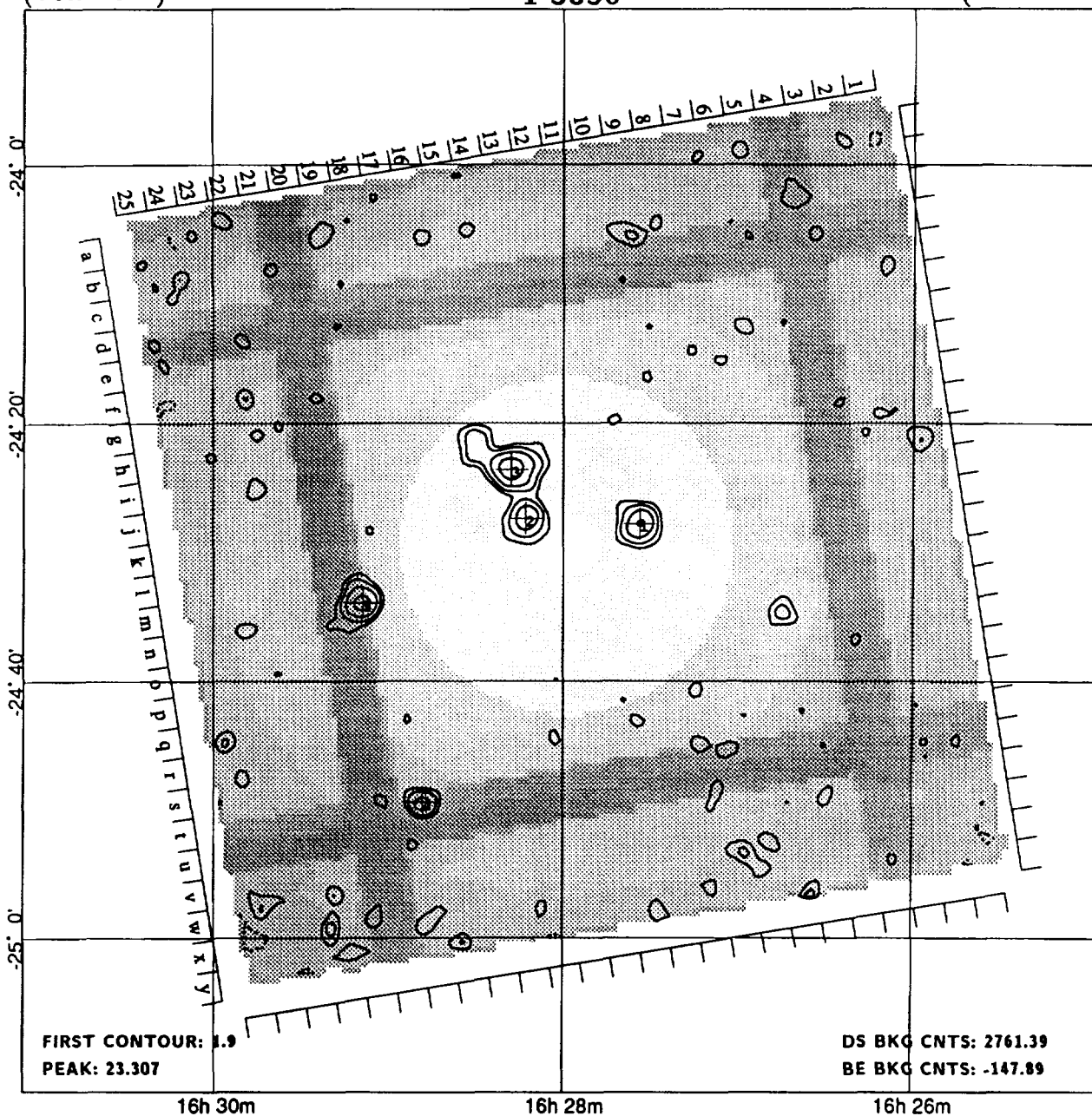
FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3716	1L	16 29 30.8	40 54 37	47	0.0650	0.0047	282.4	43.6	13.6	1.7	0	18.2		
3717	2L	16 29 38.7	40 58 15	50	0.0110	0.0026	46.3	33.7	4.2	8.8	0	19.2		

(16h 28m)

I 3830

(16h 28m)



GAMMA RAY SOURCE CG 353+16 AND VICINITY

FIELD CENTER: $16^{\text{h}}28^{\text{m}}00.0^{\text{s}}$ $-24^{\circ}29'59''$ (B1950)
 $16^{\text{h}}31^{\text{m}}01.9^{\text{s}}$ $-24^{\circ}36'25''$ (J2000)
 $l: 353.62$ $b: 15.99$

DATE: 1979/251 - 1979/251
 LIVETIME: 2237.6s
 ROLL ANGLE: 80.7°

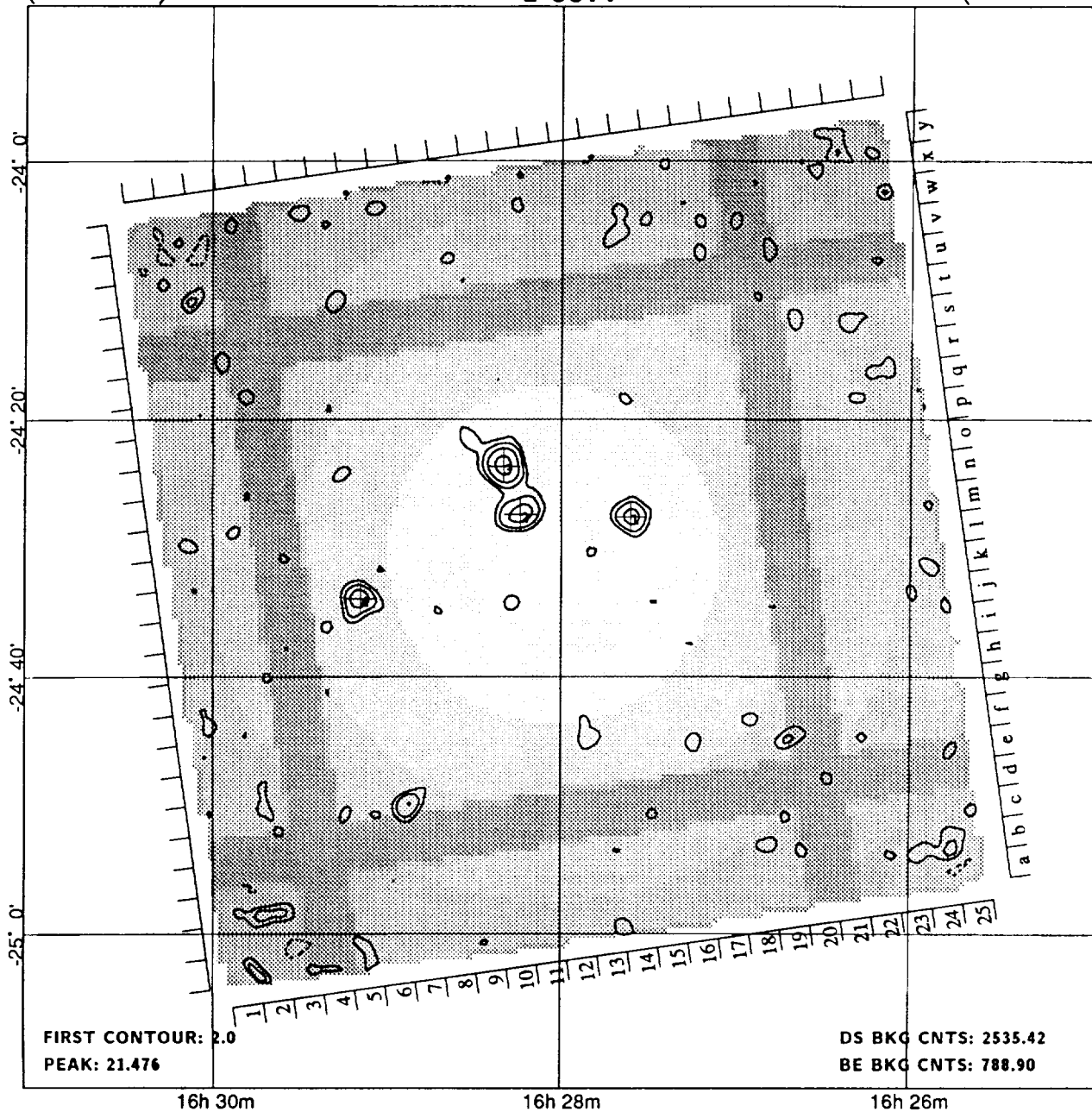
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3707	1	16 27 33.6	-24 27 50	41	0.0375	0.0051	59.3	6.7	7.3	1.0	0	6.4	AH
3709	2	16 28 13.0	-24 27 24	35	0.0293	0.0045	47.4	6.6	6.5	4.0	0	4.0	AH
3710	3	16 28 17.9	-24 23 37	38	0.0579	0.0063	89.8	6.2	9.2	2.0	0	7.7	AH
3712	4	16 28 48.3	-24 49 26	51	*0.0199	0.0048	20.7	4.3	4.1	0.8	1109	22.3	AH
3713	5	16 29 08.8	-24 33 55	50	*0.0436	0.0061	55.2	3.8	7.2	1.0	1007	16.1	AH

(16h 28m)

I 8377

(16h 28m)



RHO OPH DARK CLOUD (EAST)

FIELD CENTER: $16^h 28^m 00.0^s$ $-24^\circ 29' 59''$ (B1950)
 $16^h 31^m 01.9^s$ $-24^\circ 36' 25''$ (J2000)
 $l: 353.62$ $b: 15.99$

DATE: 1981/ 37 - 1981/ 38
 LIVETIME: 2054.5s
 ROLL ANGLE: -98.0°

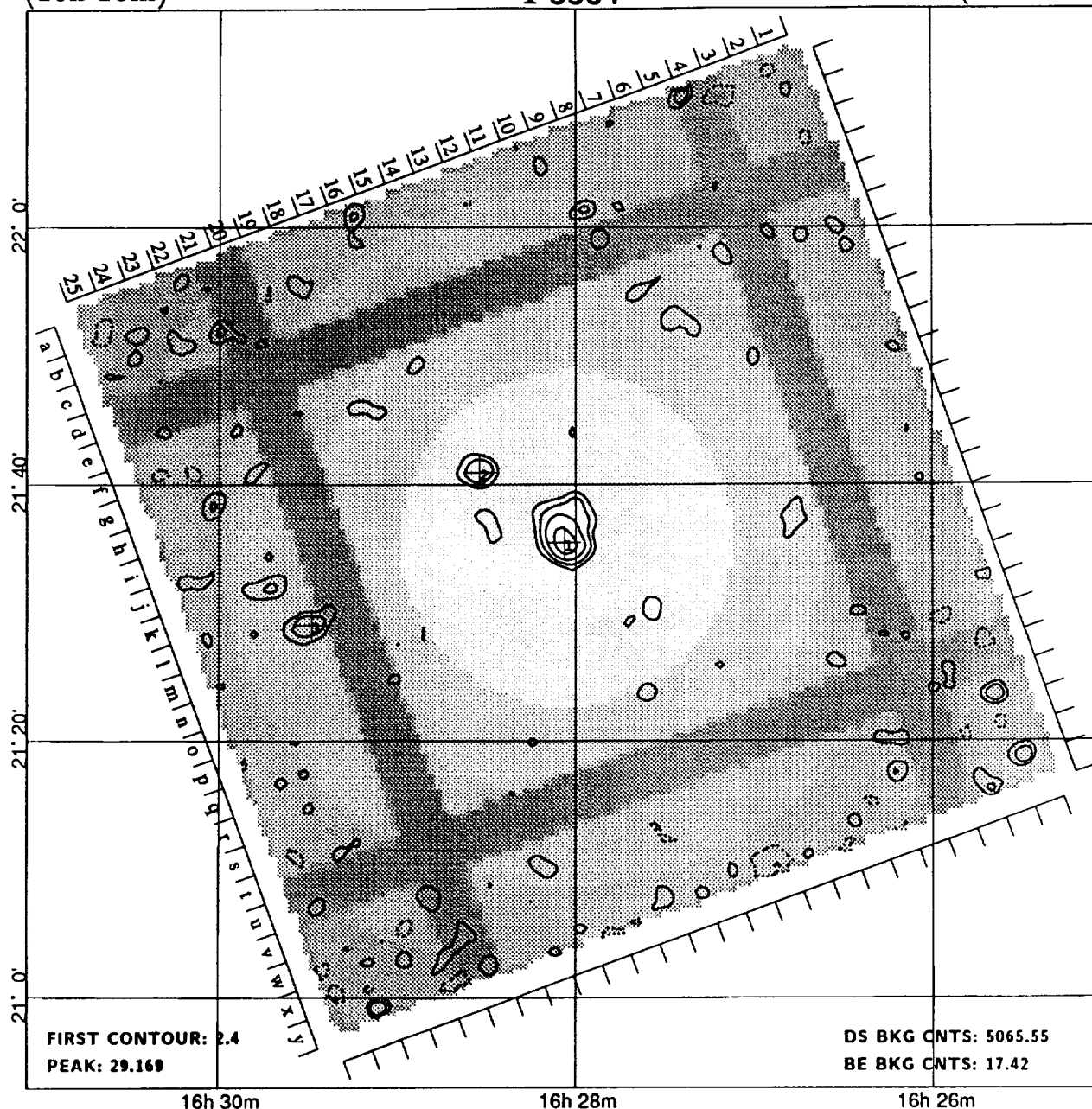
NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3707	1	16 27 36.0	-24 27 35	41	0.0265	0.0047	38.1	7.9	5.6	0.8	0	5.9	AH
3709	2	16 28 14.1	-24 27 23	35	0.0326	0.0051	48.4	8.6	6.4	3.0	0	4.4	AH
3710	3	16 28 19.9	-24 23 36	38	0.0598	0.0068	84.4	8.6	8.8	1.7	0	8.0	AH
3713	4	16 29 09.3	-24 33 57	51	0.0263	0.0052	31.4	6.6	5.1	0.9	0	16.3	AH

(16h 28m)

I 5584

(16h 28m)



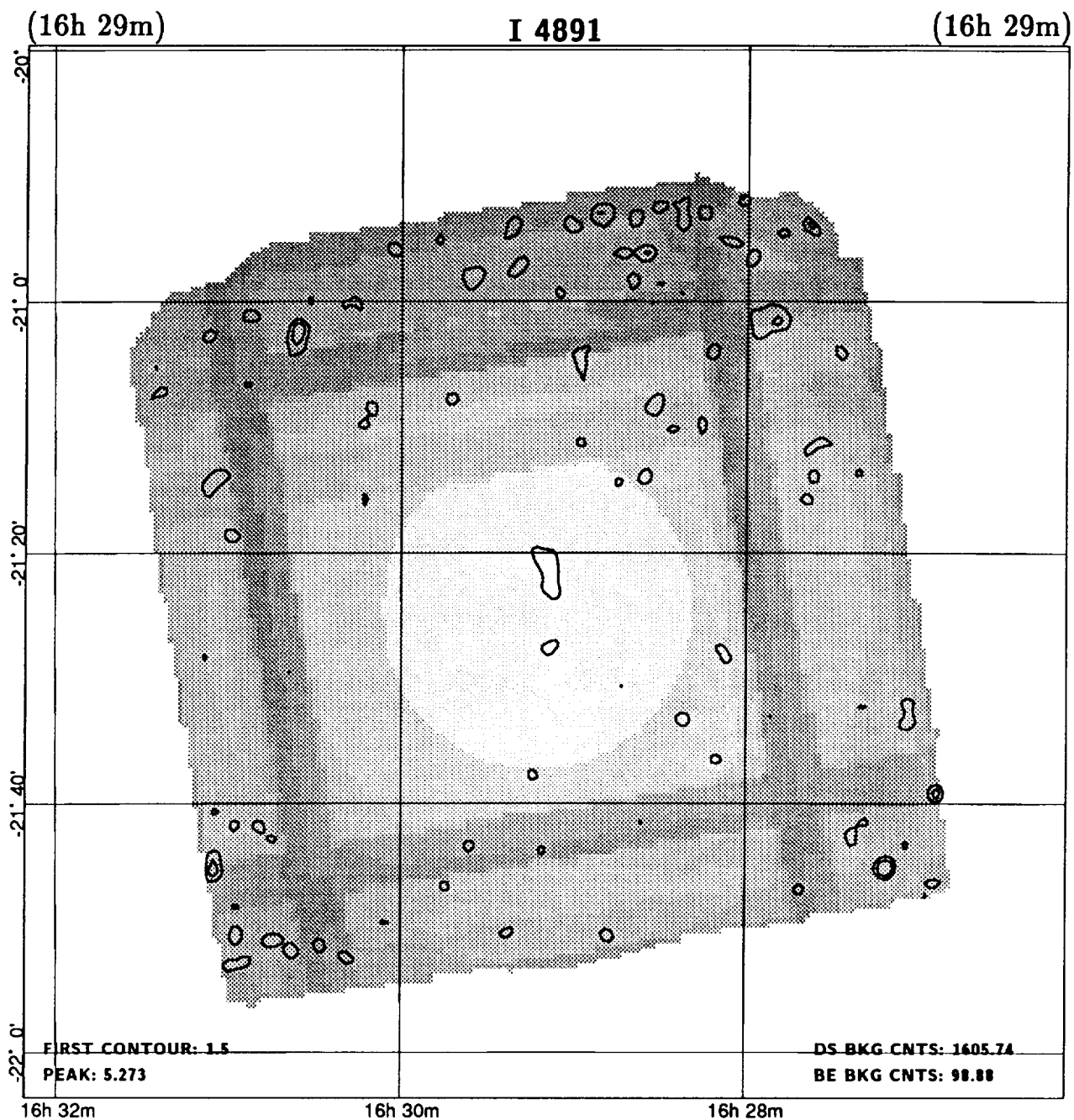
Beta HER

FIELD CENTER: $16^h 28^m 03.9^s$ $21^\circ 34' 59''$ (B1950)
 $16^h 30^m 13.3^s$ $21^\circ 28' 33''$ (J2000)
 $l: 38.99$ $b: 40.21$

DATE: 1980/224 - 1980/224
 LIVETIME: 4104.8s
 ROLL ANGLE: 70.0°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3708	1	16 28 03.8	21 35 32	31	0.0424	0.0039	129.7	13.3	10.8	1.4	0	0.7	H
3711	2	16 28 32.5	21 40 57	42	0.0127	0.0025	35.4	12.6	5.1	0.8	0	9.1	H
3715	3	16 29 29.0	21 29 05	52	*0.0114	0.0028	23.0	9.0	4.1	1.0	703	20.4	H



STAR OMEGA OPH (HD 148898), AP STARS

FIELD CENTER: $16^{\text{h}}29^{\text{m}}10.0^{\text{s}}$ $-21^{\circ}21'39''$ (B1950)
 $16^{\text{h}}32^{\text{m}}08.0^{\text{s}}$ $-21^{\circ}28'00''$ (J2000)
 $l: 356.30$ $b: 17.83$

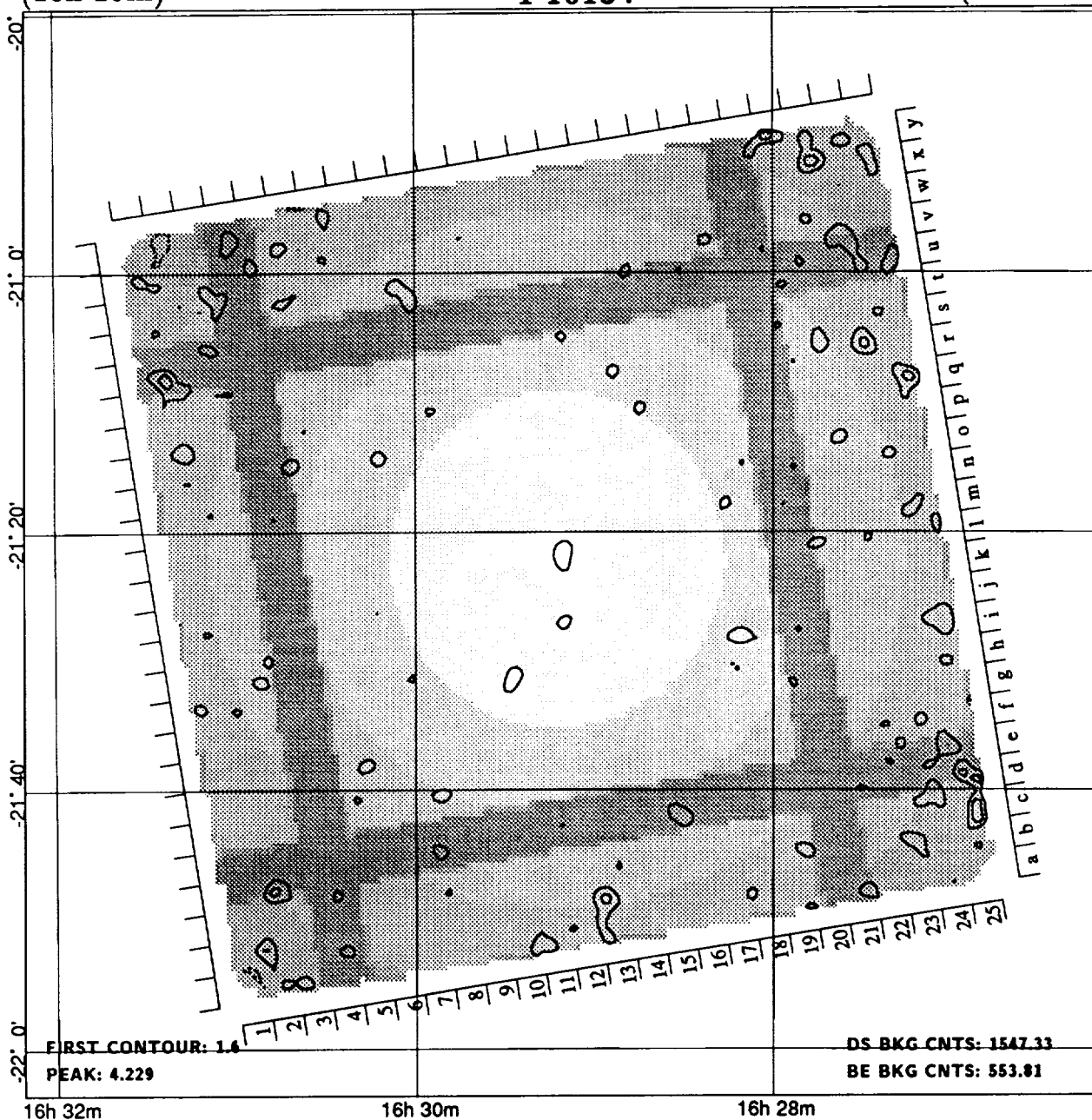
DATE: 1980/ 49 - 1980/ 50
 LIVETIME: 1301.2s

NH: $1.3\text{E}+21$
 REF/ID: !
 FIELD FLAGS:

(16h 29m)

I 10134

(16h 29m)



FIELD CENTER: $16^{\text{h}}29^{\text{m}}10.0^{\text{s}}$ $-21^{\circ}21'39''$ (B1950)
 $16^{\text{h}}32^{\text{m}}08.0^{\text{s}}$ $-21^{\circ}28'00''$ (J2000)
 $l: 356.30$ $b: 17.83$

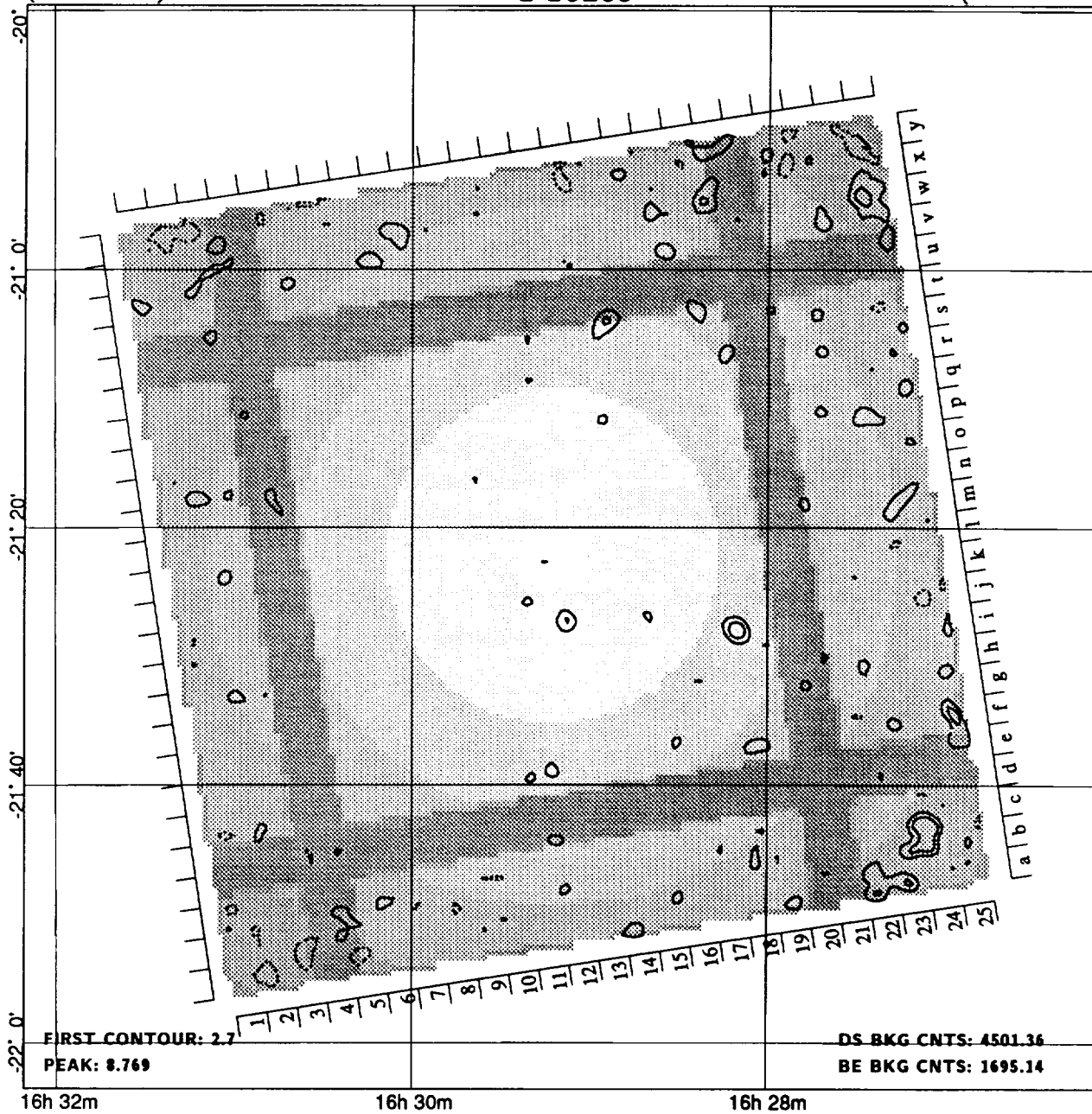
DATE: 1981/ 41 - 1981/ 41
 LIVETIME: 1253.9s
 ROLL ANGLE: -99.1°

NH: $1.3\text{E}+21$
 REF/ID: I
 FIELD FLAGS: C

(16h 29m)

I 10209

(16h 29m)



OMEGA OPH, VARIABILITY IN EARLY A STARS

FIELD CENTER: $16^{\text{h}}29^{\text{m}}10.0^{\text{s}}$ $-21^{\circ}21'39''$ (B1950)
 $16^{\text{h}}32^{\text{m}}08.0^{\text{s}}$ $-21^{\circ}28'00''$ (J2000)
 $l: 356.30$ $b: 17.83$

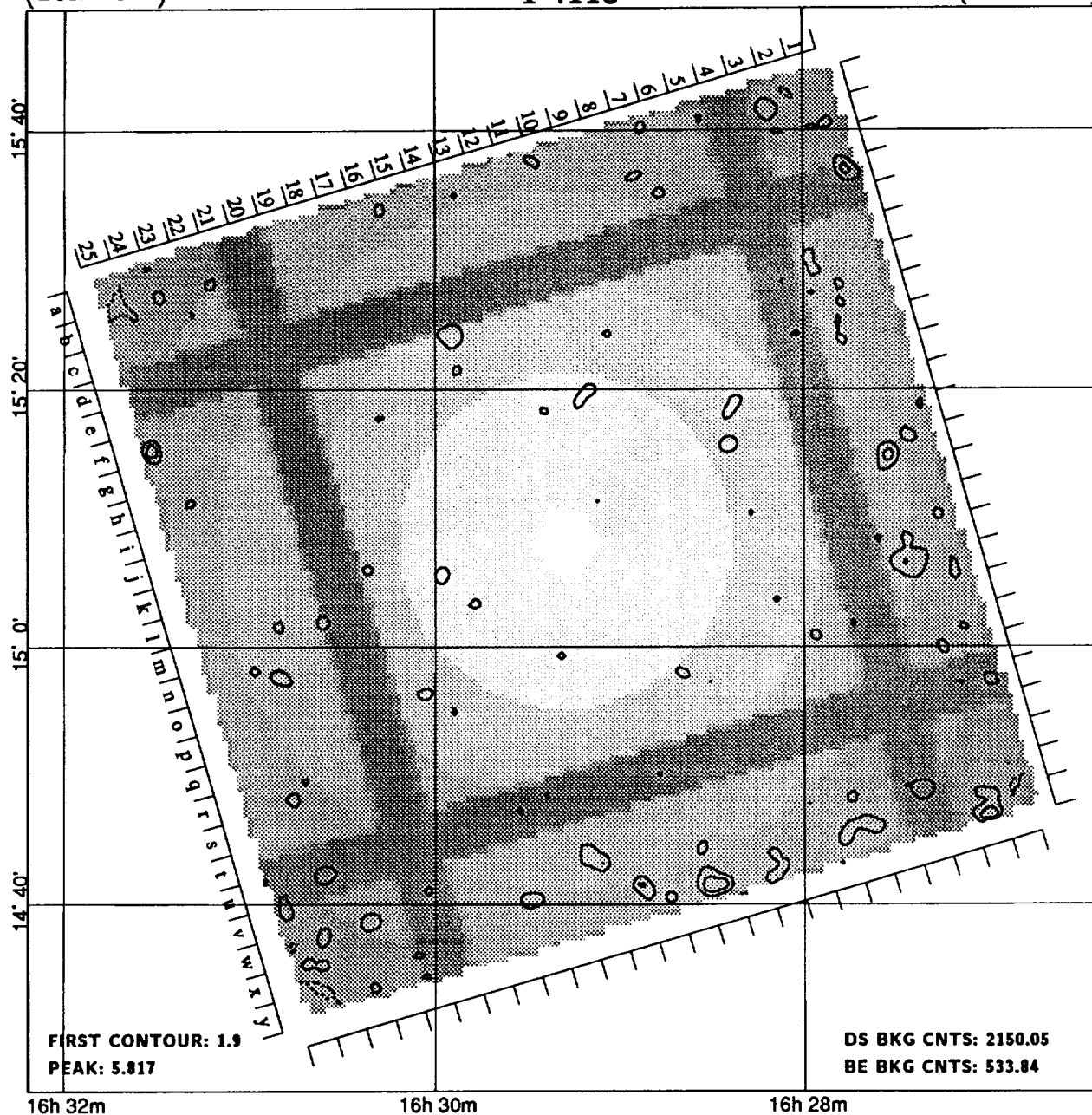
DATE: 1981/ 83 - 1981/ 83
 LIVETIME: 3647.6s
 ROLL ANGLE: -98.7°

NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

(16h 29m)

I 4113

(16h 29m)



FIELD CENTER: $16^h 29^m 17.9^s$ $15^\circ 07' 29''$ (B1950)
 $16^h 31^m 35.0^s$ $15^\circ 01' 08''$ (J2000)
 $l: 31.36$ $b: 37.64$

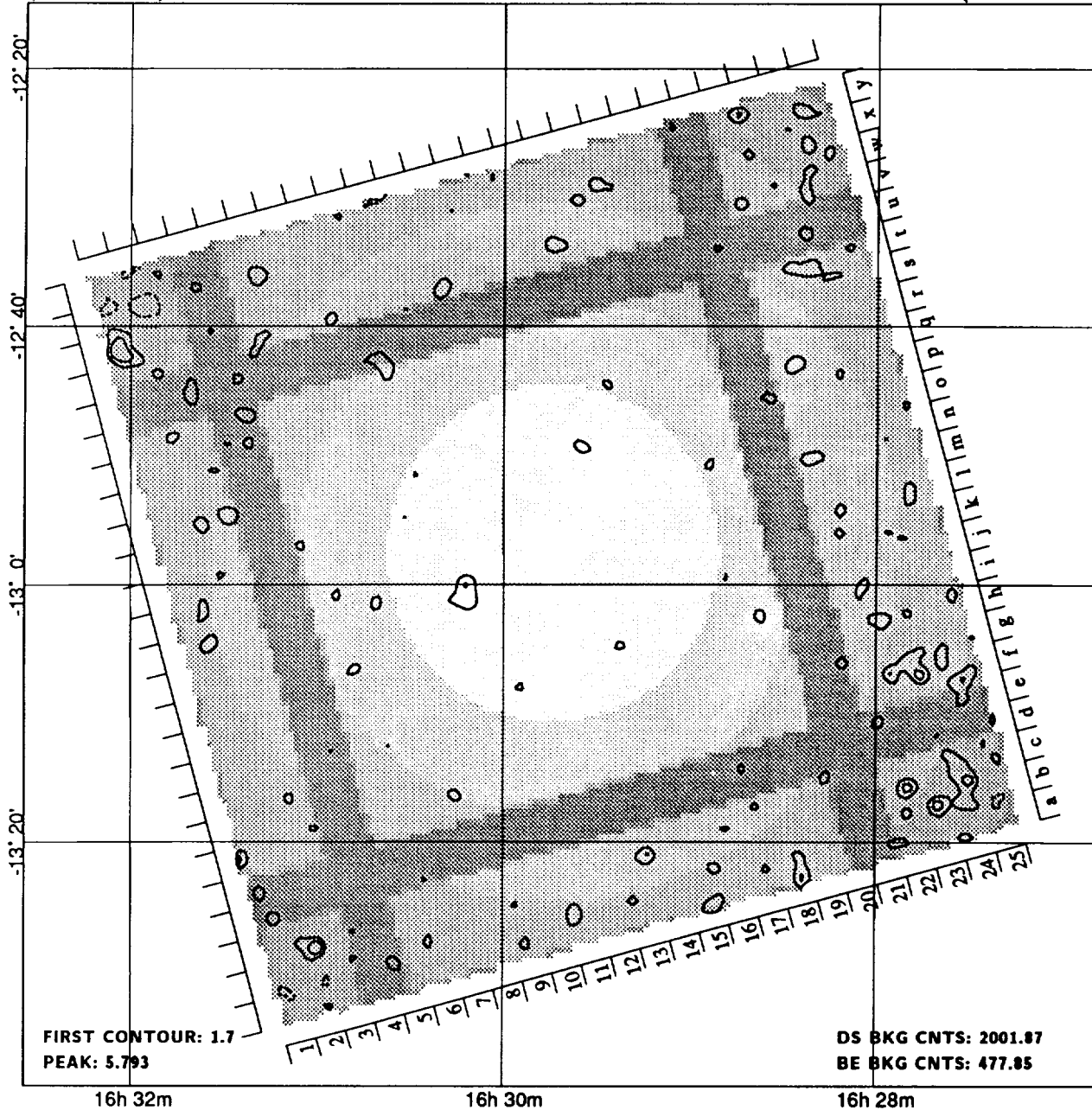
DATE: 1979/229 - 1979/229
LIVETIME: 1742.2s
ROLL ANGLE: 73.8°

NH: $4.8E+20$
REF/ID:
FIELD FLAGS:

(16h 29m)

I 6475

(16h 29m)

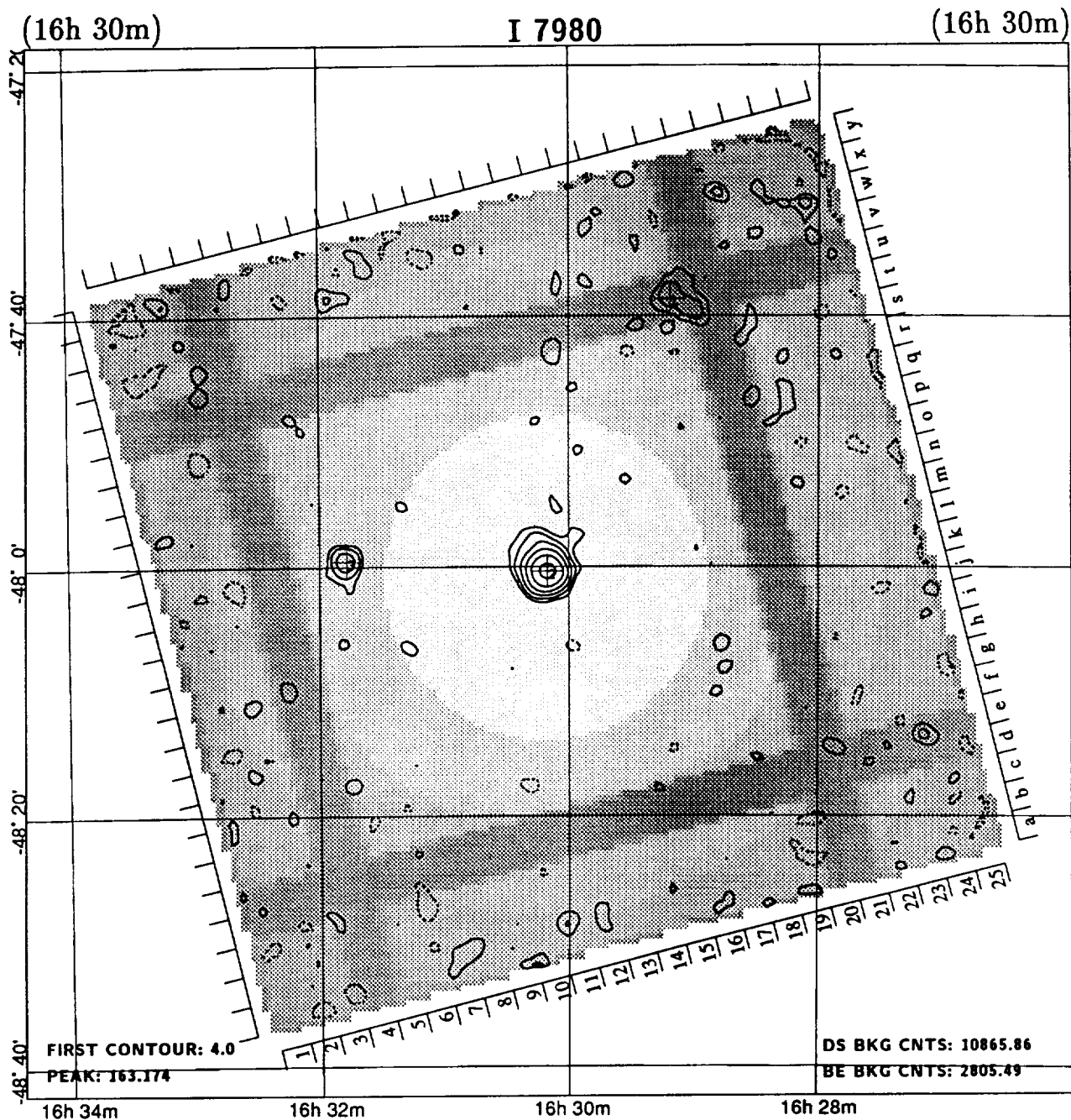


NGC 6171, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $16^h 29^m 41.9^s$ $-12^\circ 56' 59''$ (B1950)
 $16^h 32^m 29.9^s$ $-13^\circ 03' 18''$ (J2000)
 $l: 3.37$ $b: 23.02$

DATE: 1981/ 32 - 1981/ 32
 LIVETIME: 1622.2s
 ROLL ANGLE: -105.1°

NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS:



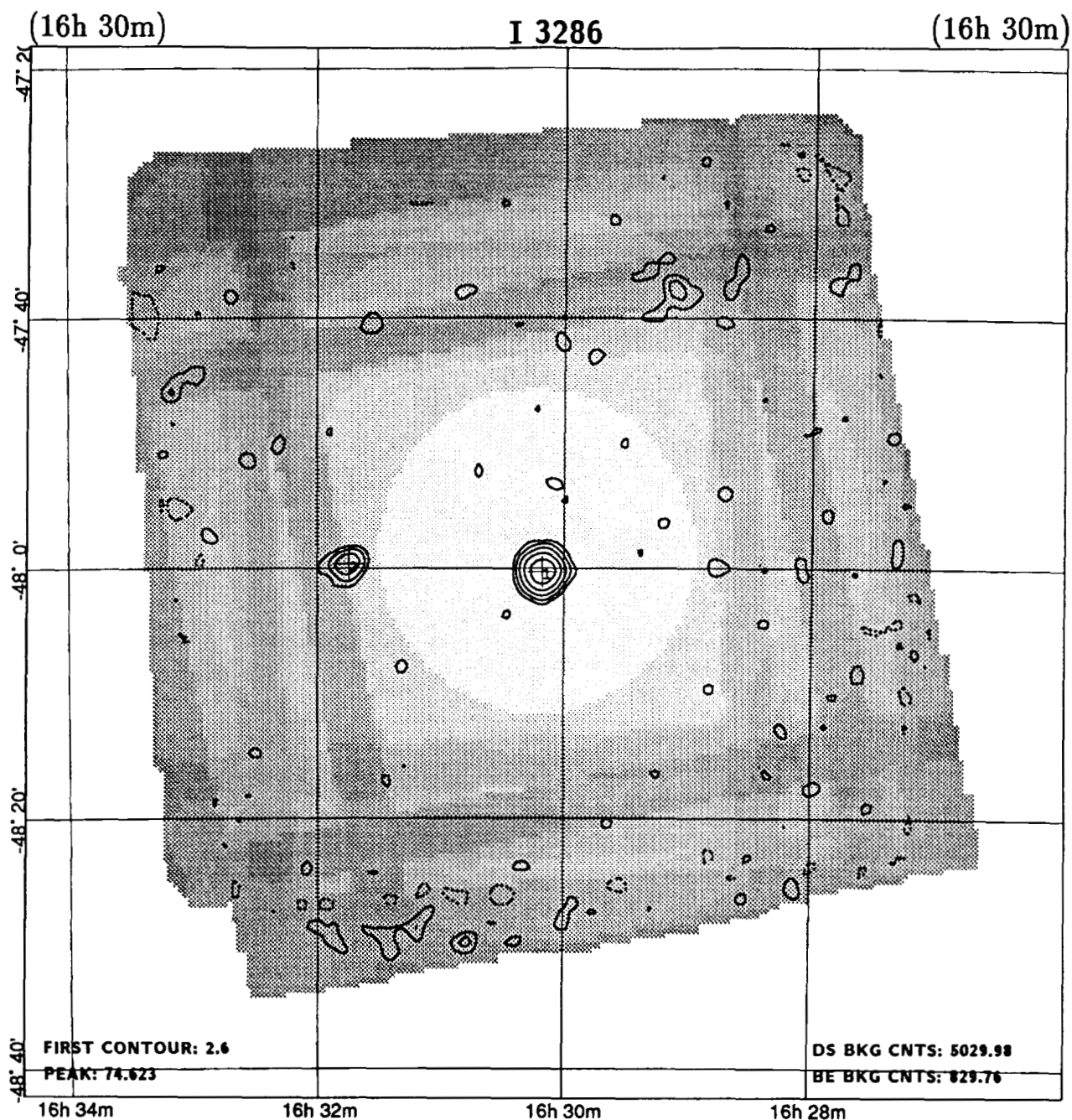
POSSIBLE BINARY X-RAY SOURCE

FIELD CENTER: $16^h 30^m 09.6^s$ $-48^\circ 00' 24''$ (B1950)
 $16^h 33^m 52.3^s$ $-48^\circ 06' 40''$ (J2000)
 $l: 336.37$ $b: -0.22$

DATE: 1980/ 73 - 1980/ 74
 LIVETIME: 9121.2s
 ROLL ANGLE: -104.1°

NH: $1.6E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3714	1	16 29 11.1	-47 38 37	55	*0.0086	0.0018	34.4	16.6	4.8	1.6	1609	23.8	
3719	2	16 30 10.3	-48 00 22	31	0.1001	0.0039	680.9	35.1	25.4	1.2	0	0.2	AH S
3722	3	16 31 47.0	-47 59 34	50	0.0129	0.0018	67.6	25.4	7.0	0.8	0	16.4	AH



CANDIDATE X-RAY BINARY SOURCES: HD 148937

FIELD CENTER: $16^{\text{h}}30^{\text{m}}09.6^{\text{s}}$ $-48^{\circ}00'23''$ (B1950)
 $16^{\text{h}}33^{\text{m}}52.3^{\text{s}}$ $-48^{\circ}06'39''$ (J2000)
 l : 336.37 b : -0.22

DATE: 1979/252 - 1980/ 50
 LIVETIME: 4075.9s

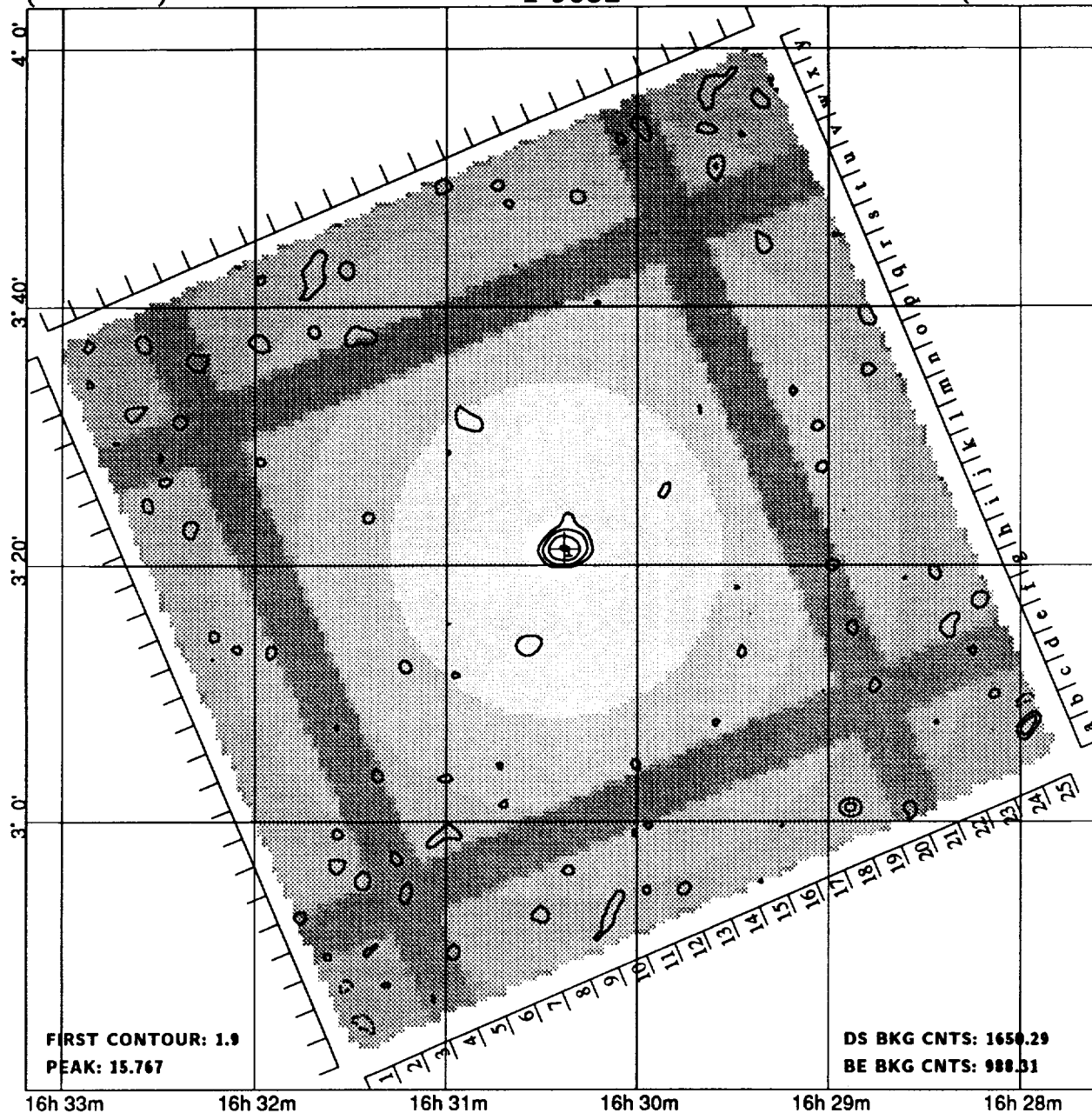
NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3719	1	16 30 10.4	-48 00 16	31	0.1008	0.0059	306.7	16.3	17.1	1.1	0	0.2	AH	S
3722	2	16 31 44.6	-47 59 38	50	*0.0226	0.0034	54.8	11.2	6.8	1.0	806	16.1	AH	

(16h 30m)

I 9052

(16h 30m)



SPECTROSCOPIC BINARIES WITHIN 25 Pc: WOOLLEY# 9566

FIELD CENTER: $16^{\text{h}}30^{\text{m}}23.0^{\text{s}}$ $03^{\circ}21'11''$ (B1950)
 $16^{\text{h}}32^{\text{m}}53.2^{\text{s}}$ $03^{\circ}14'55''$ (J2000)
 $l: 18.70$ $b: 32.07$

DATE: 1981/ 25 - 1981/ 25
 LIVETIME: 1337.3s
 ROLL ANGLE: -113.1°

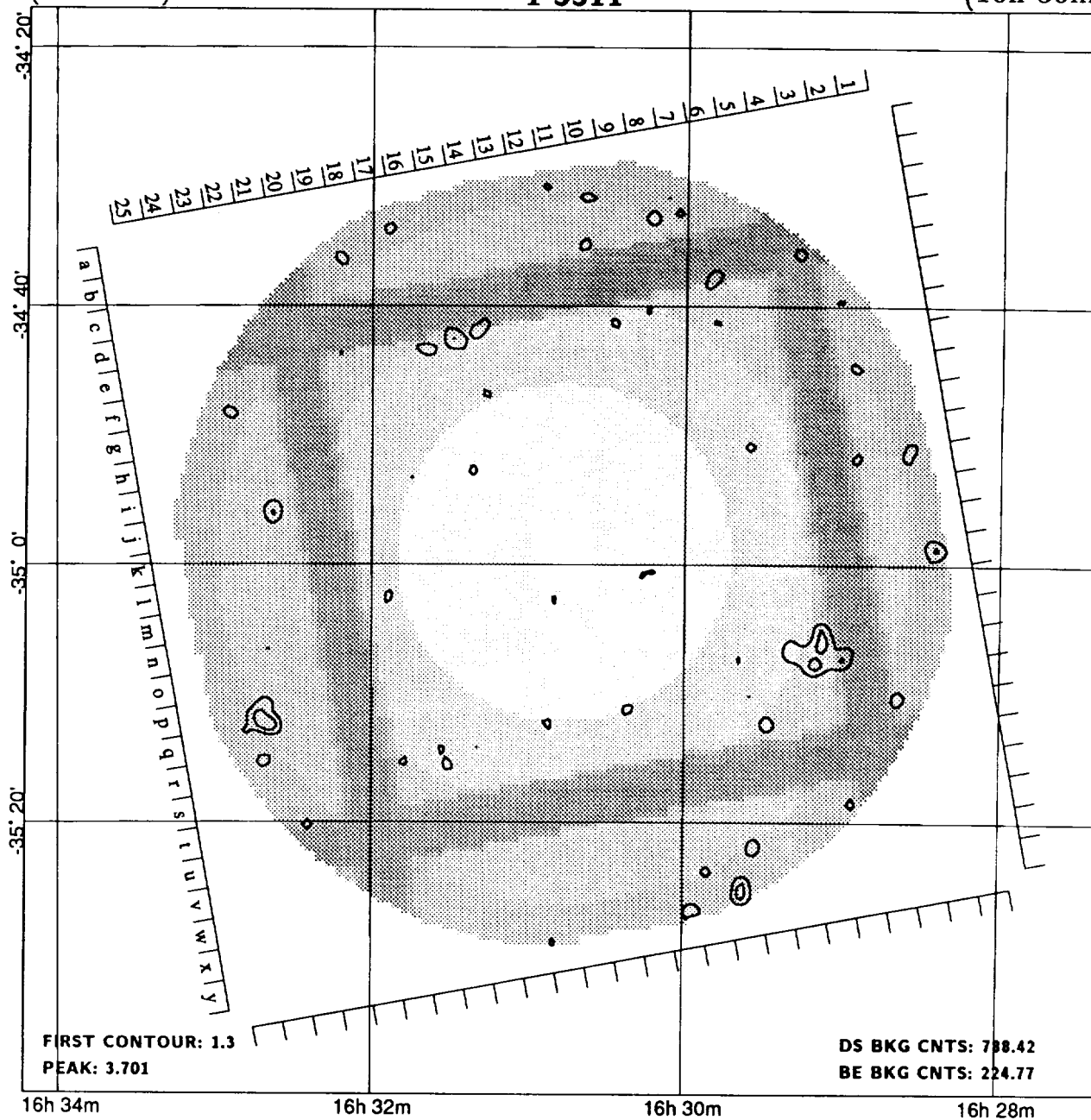
NH: $4.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3721	1L	16 30 23.0	03 21 15	34	0.0600	0.0096	59.8	10.2	6.1	1.1	0	0.2	S	

(16h 30m)

I 3311

(16h 30m)



FIELD CENTER: $16^h 30^m 47.0^s$ $-34^\circ 59' 09''$ (B1950)
 $16^h 34^m 04.2^s$ $-35^\circ 05' 23''$ (J2000)
 $l: 346.03$ $b: 8.55$

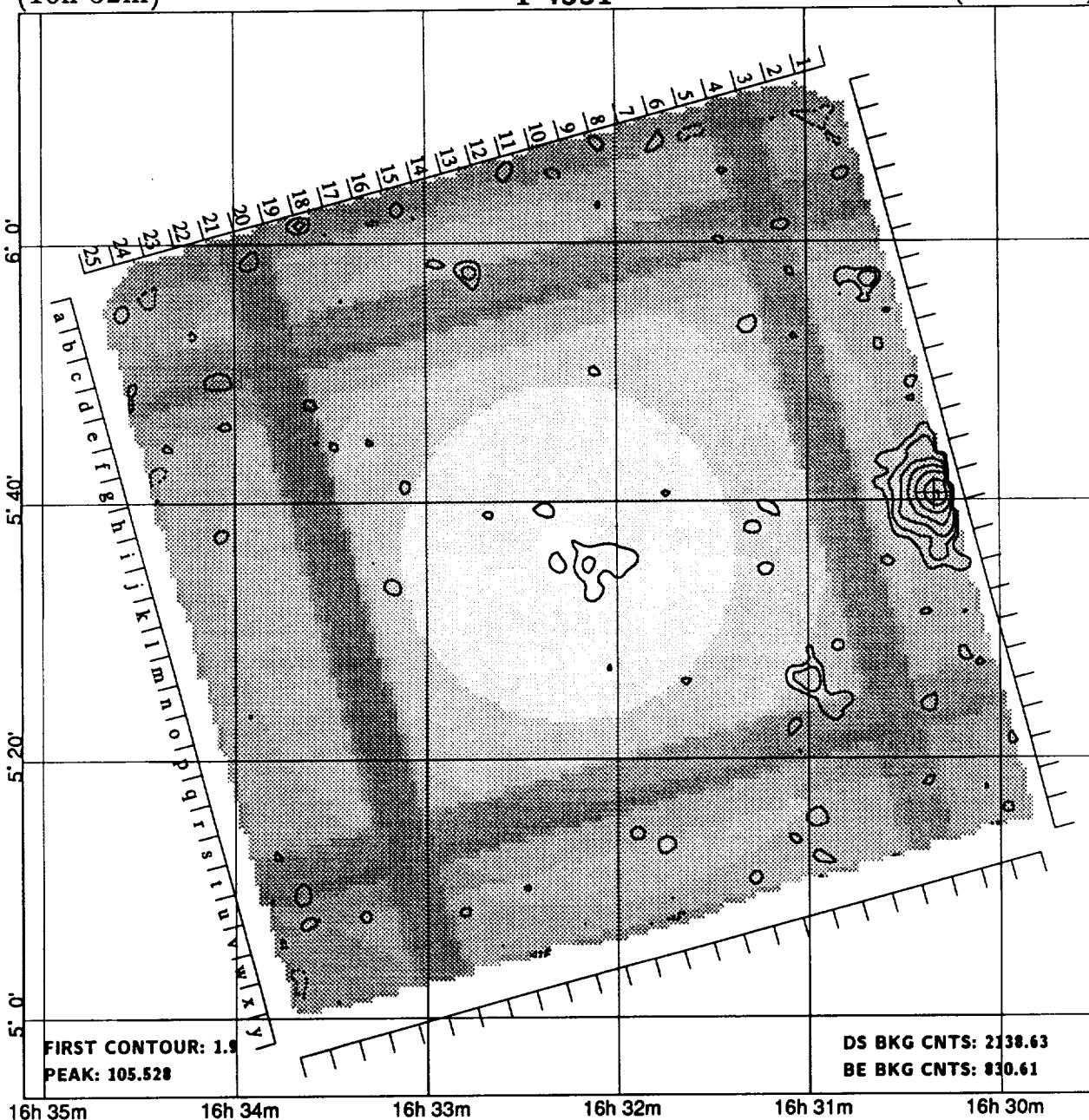
DATE: 1979/253 - 1979/253
 LIVETIME: 638.9s
 ROLL ANGLE: 79.6°

NH: $2.1E+21$
 REF/ID: S
 FIELD FLAGS:

(16h 32m)

I 4531

(16h 32m)



CLUSTER A 2210

FIELD CENTER: $16^{\text{h}}32^{\text{m}}17.9^{\text{s}}$ $05^{\circ}35'59''$ (B1950)
 $16^{\text{h}}34^{\text{m}}45.6^{\text{s}}$ $05^{\circ}29'50''$ (J2000)
 $l: 21.29$ $b: 32.77$

DATE: 1979/228 - 1979/229
 LIVETIME: 1733.0s
 ROLL ANGLE: 74.9°

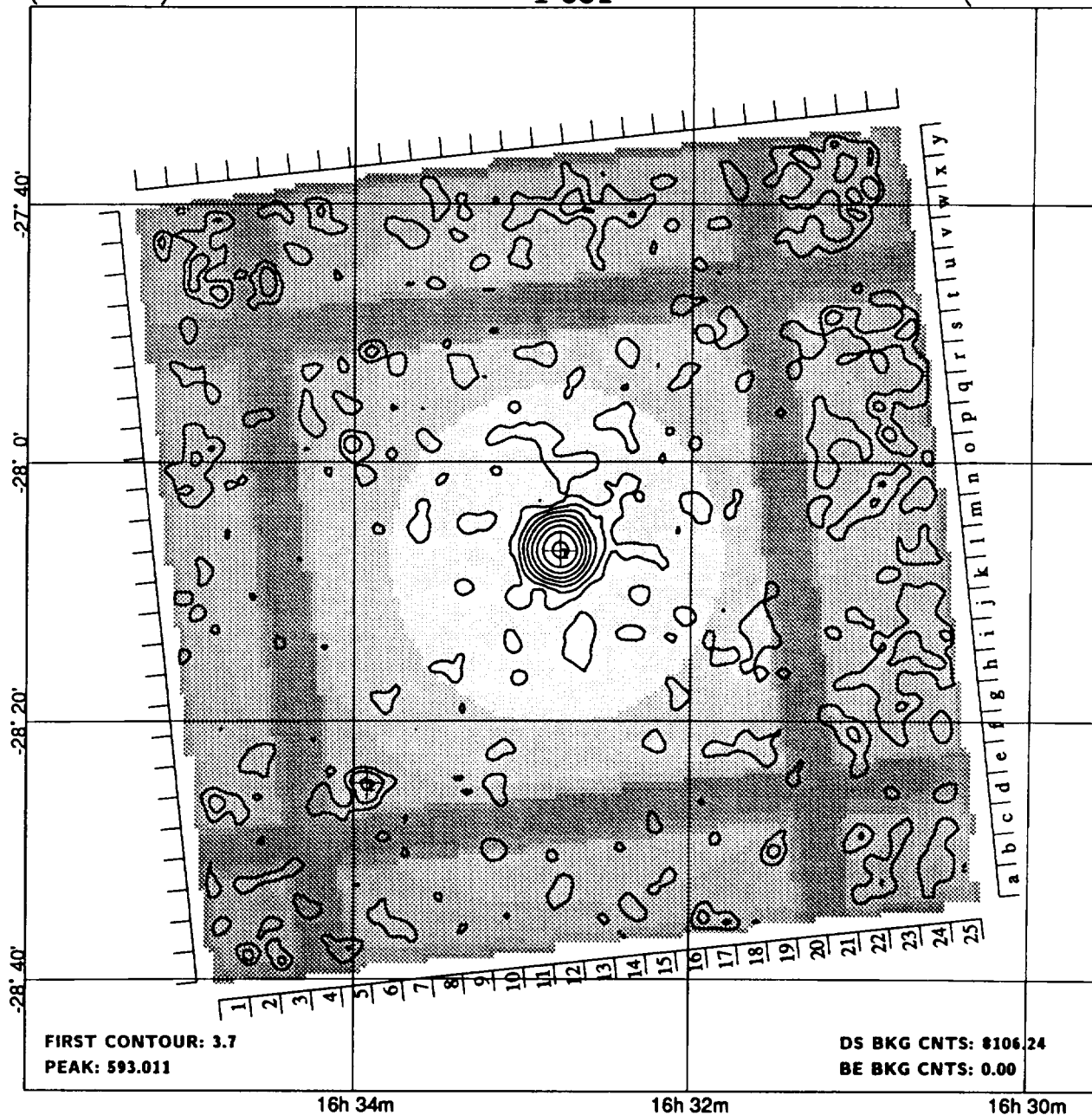
NH: $5.6\text{E}+20$
 REF/ID: I
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3720	1L	16 30 20.4	05 40 30	47	*0.253	0.028	178.5	53.3	9.0	1.5	601	29.7	I	CLG

(16h 32m)

I 831

(16h 32m)



TAU SCO, GAMMA SCO STELLAR OBSERVATIONS, B STARS

FIELD CENTER: $16^{\text{h}}32^{\text{m}}45.8^{\text{s}}$ $-28^{\circ}06'50''$ (B1950)
 $16^{\text{h}}35^{\text{m}}52.8^{\text{s}}$ $-28^{\circ}12'56''$ (J2000)
 $l: 351.53$ $b: 12.81$

DATE: 1981/ 38 - 1981/ 38
 LIVETIME: 6568.7s
 ROLL ANGLE: -96.1°

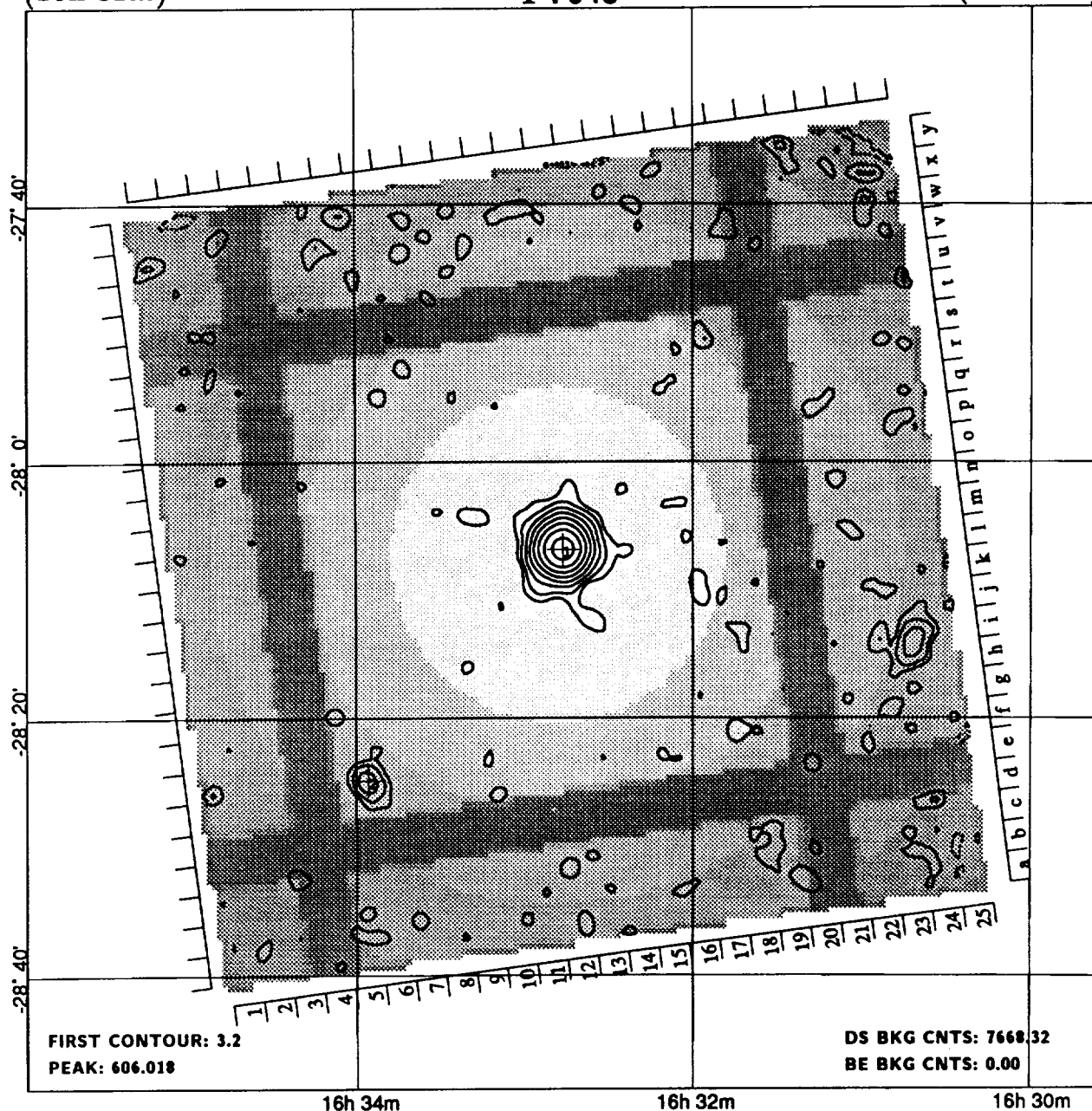
NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3724	1L	16 32 46.5	-28 06 48	31	0.468	0.012	2294.8	326.2	39.3	1.3	0	0.2	A	
3729	2L	16 33 55.2	-28 24 50	51	0.0116	0.0029	35.3	18.7	3.9	1.3	0	23.5	A	

(16h 32m)

I 7643

(16h 32m)



TAU SCO, VARIABILITY OF BE & B SUPERGIANTS

FIELD CENTER: $16^{\text{h}}32^{\text{m}}45.8^{\text{s}}$ $-28^{\circ}06'50''$ (B1950)
 $16^{\text{h}}35^{\text{m}}52.8^{\text{s}}$ $-28^{\circ}12'56''$ (J2000)
 ℓ : 351.53 b : 12.81

DATE: 1980/ 50 - 1980/ 50
 LIVETIME: 6213.9s
 ROLL ANGLE: -97.4°

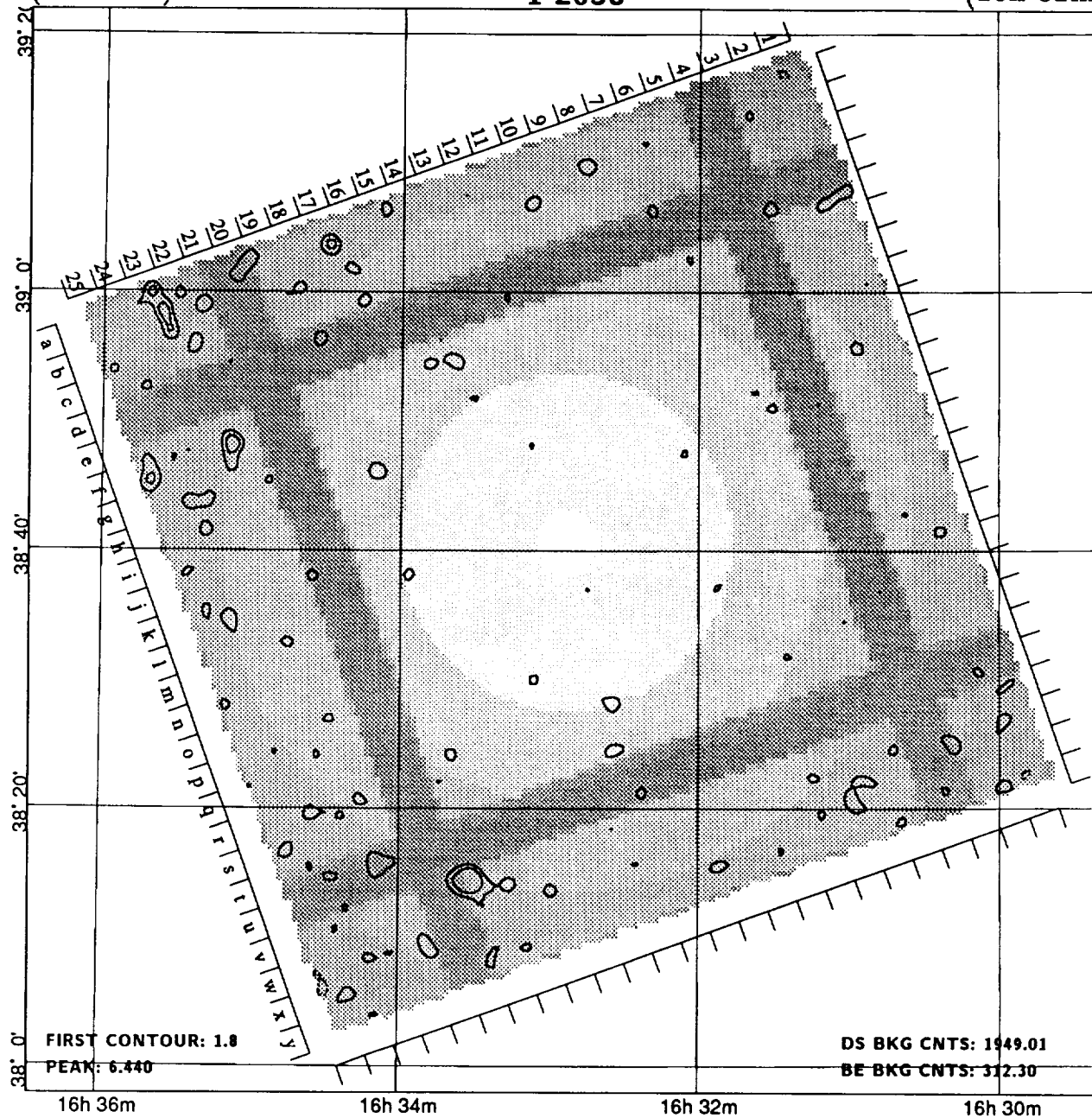
NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3724	1L	16 32 46.2	-28 06 48	31	0.518	0.013	2400.7	309.3	40.5	1.3	0	0.2	A
3729	2L	16 33 55.7	-28 24 47	50	0.0170	0.0032	49.2	13.8	5.2	1.0	0	23.6	A

(16h 32m)

I 2058

(16h 32m)



X-RAY STUDY OF QUASARS: 4C39.46, 4C38.41

FIELD CENTER: $16^{\text{h}}32^{\text{m}}54.0^{\text{s}}$ $38^{\circ}39'59''$ (B1950)
 $16^{\text{h}}34^{\text{m}}38.1^{\text{s}}$ $38^{\circ}33'51''$ (J2000)
 $l: 61.66$ $b: 42.49$

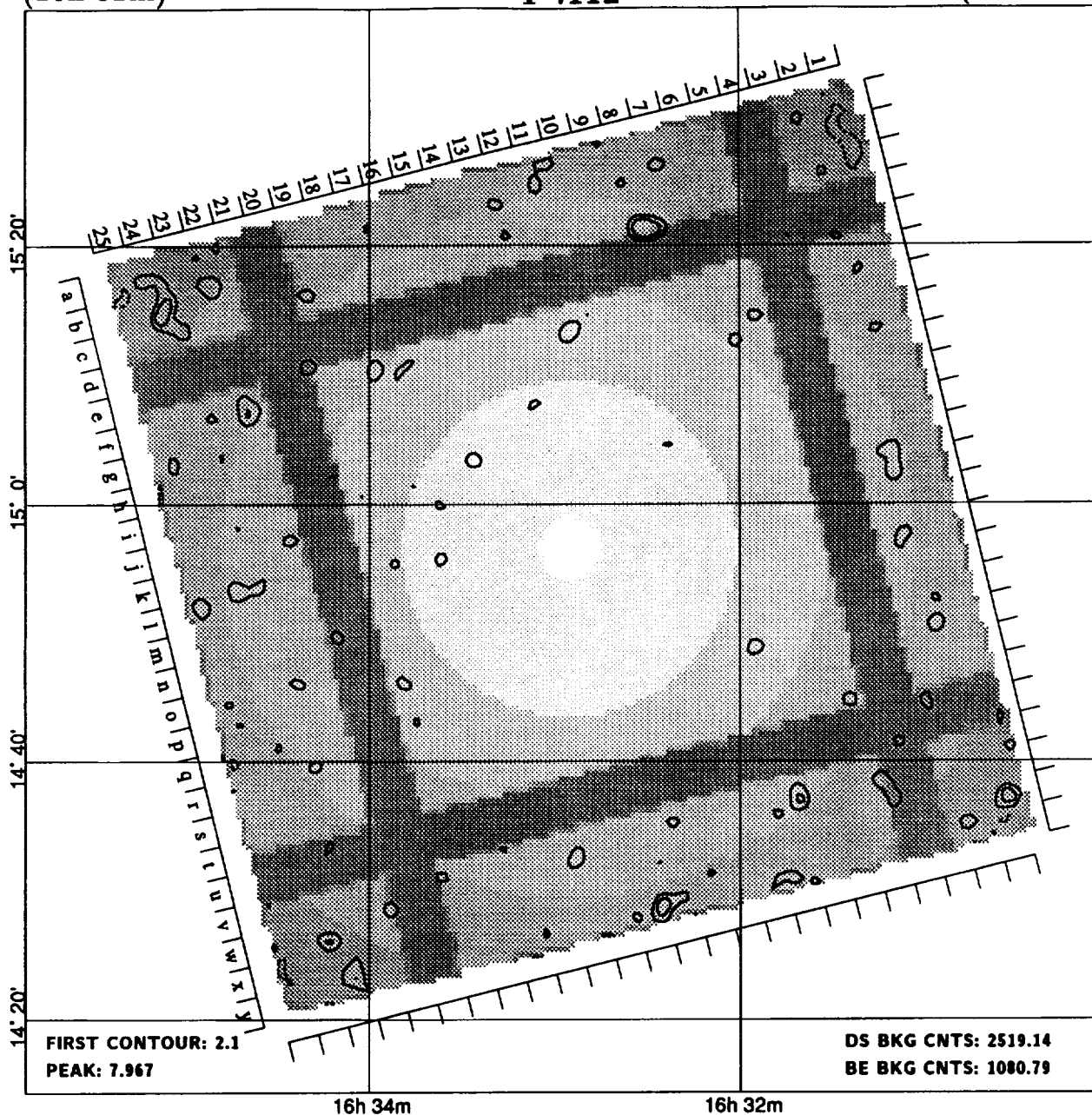
DATE: 1979/227 - 1979/227
 LIVETIME: 1579.3s
 ROLL ANGLE: 70.3°

NH: $1.1\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

(16h 32m)

I 4112

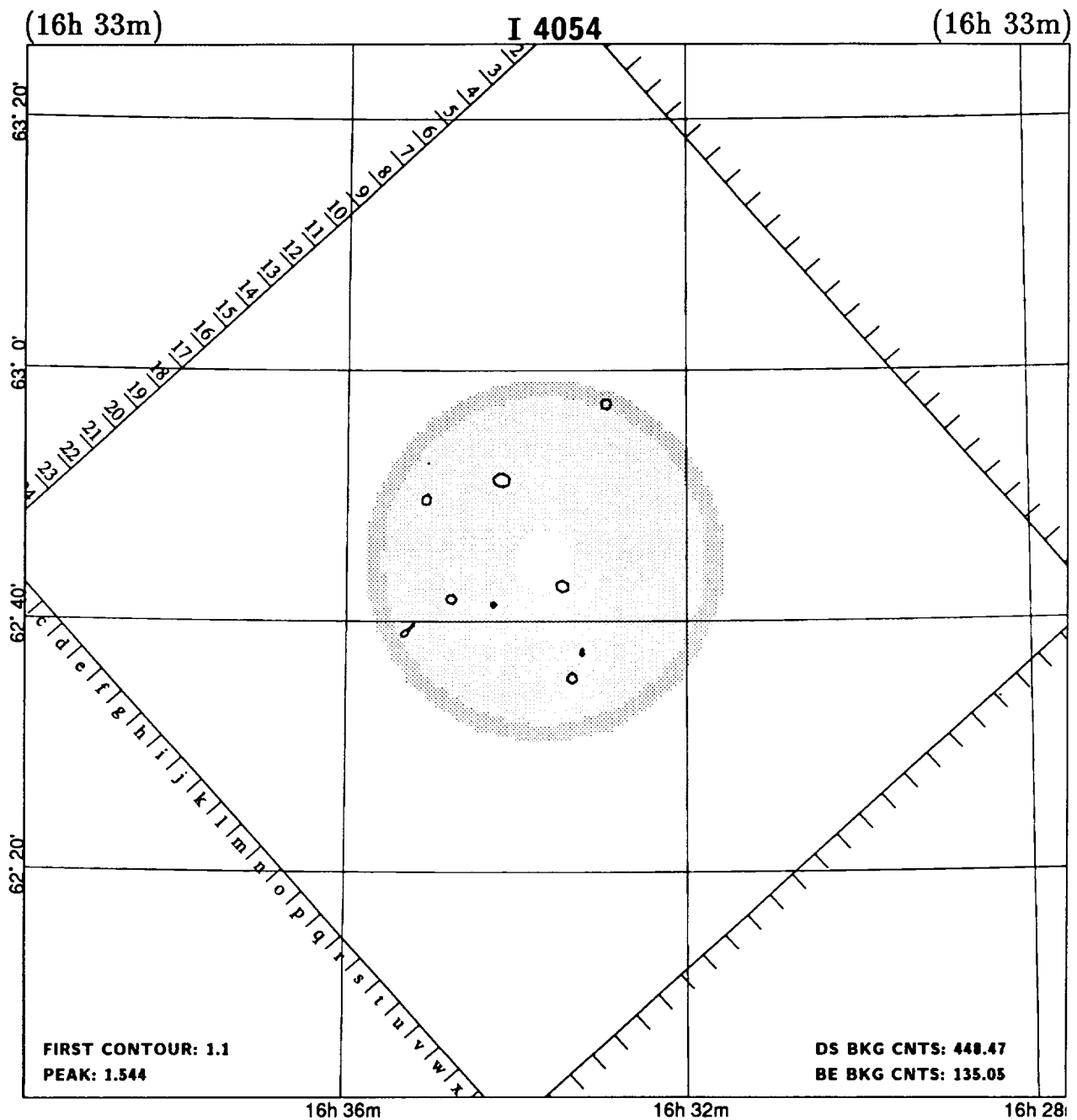
(16h 32m)



FIELD CENTER: $16^{\text{h}}32^{\text{m}}56.9^{\text{s}}$ $14^{\circ}56'23''$ (B1950)
 $16^{\text{h}}35^{\text{m}}14.1^{\text{s}}$ $14^{\circ}50'17''$ (J2000)
 l : 31.58 b : 36.76

DATE: 1980/234 - 1980/234
LIVETIME: 2041.3s
ROLL ANGLE: 76.2°

NH: 5.0E+20
REF/ID:
FIELD FLAGS: L



HIGH REDSHIFT QUASAR

FIELD CENTER: $16^h 33^m 39.9^s$ $62^\circ 43' 59''$ (B1950)
 $16^h 34^m 13.3^s$ $62^\circ 37' 52''$ (J2000)
 $l: 93.47$ $b: 39.46$

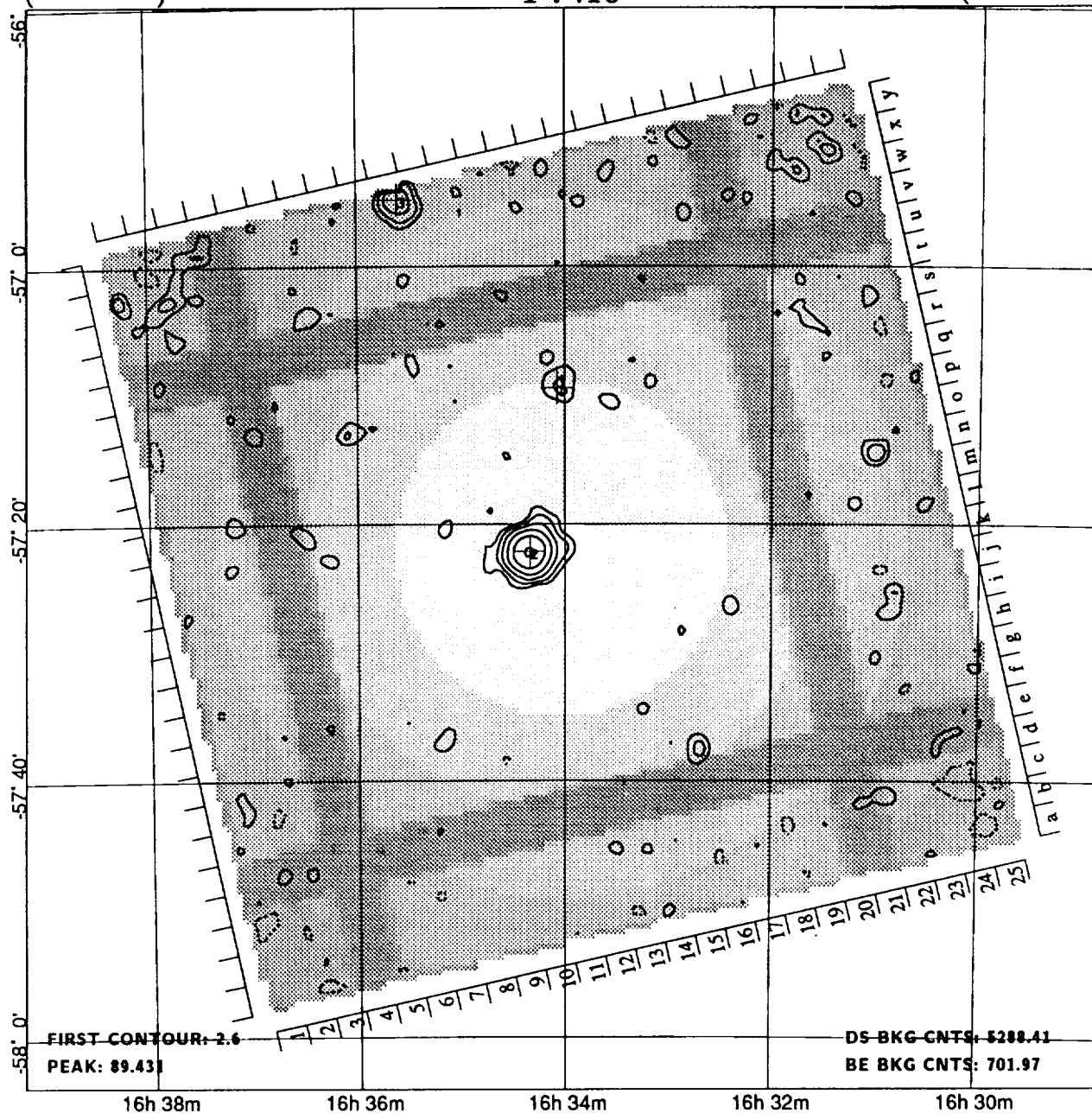
DATE: 1979/206 - 1979/206
 LIVETIME: 363.4s
 ROLL ANGLE: 48.0°

NH: $2.7E+20$
 REF/ID:
 FIELD FLAGS:

(16h 34m)

I 7410

(16h 34m)



FIELD CENTER: $16^{\text{h}}34^{\text{m}}00.0^{\text{s}}$ $-57^{\circ}21'59''$ (B1950)
 $16^{\text{h}}38^{\text{m}}11.4^{\text{s}}$ $-57^{\circ}27'58''$ (J2000)
 $l: 329.85$ $b: -6.98$

DATE: 1980/ 70 - 1980/ 70
 LIVETIME: 4439.2s
 ROLL ANGLE: -102.8°

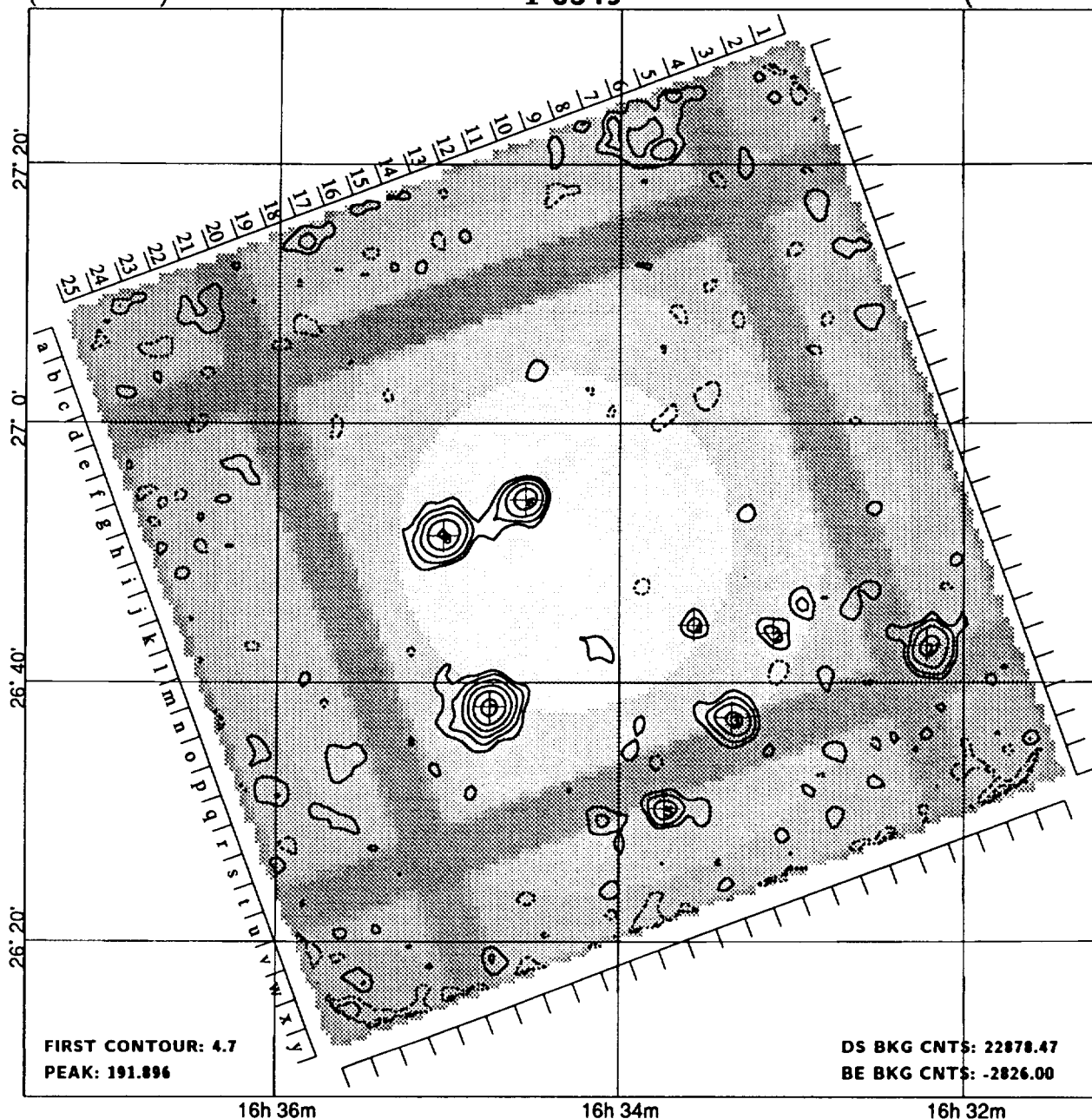
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3730	1	16 34 04.5	-57 09 26	46	0.0094	0.0022	26.4	11.6	4.3	0.9	0	12.4	H	
3731	2	16 34 20.5	-57 22 09	31	0.1244	0.0063	405.2	14.8	19.8	1.3	0	2.8	AH	
3738	3	16 35 36.7	-56 54 51	50	*0.0312	0.0054	41.8	10.2	5.8	1.3	703	30.4	AEH	S

(16h 34m)

I 8349

(16h 34m)



3C 342, QSO FIELDS

FIELD CENTER: $16^{\text{h}}34^{\text{m}}20.0^{\text{s}}$ $26^{\circ}49'59''$ (B1950)
 $16^{\text{h}}36^{\text{m}}22.3^{\text{s}}$ $26^{\circ}43'58''$ (J2000)
 $\ell: 46.12$ $b: 40.31$

DATE: 1980/225 - 1980/226
 LIVETIME: 18539.1s
 ROLL ANGLE: 69.7°

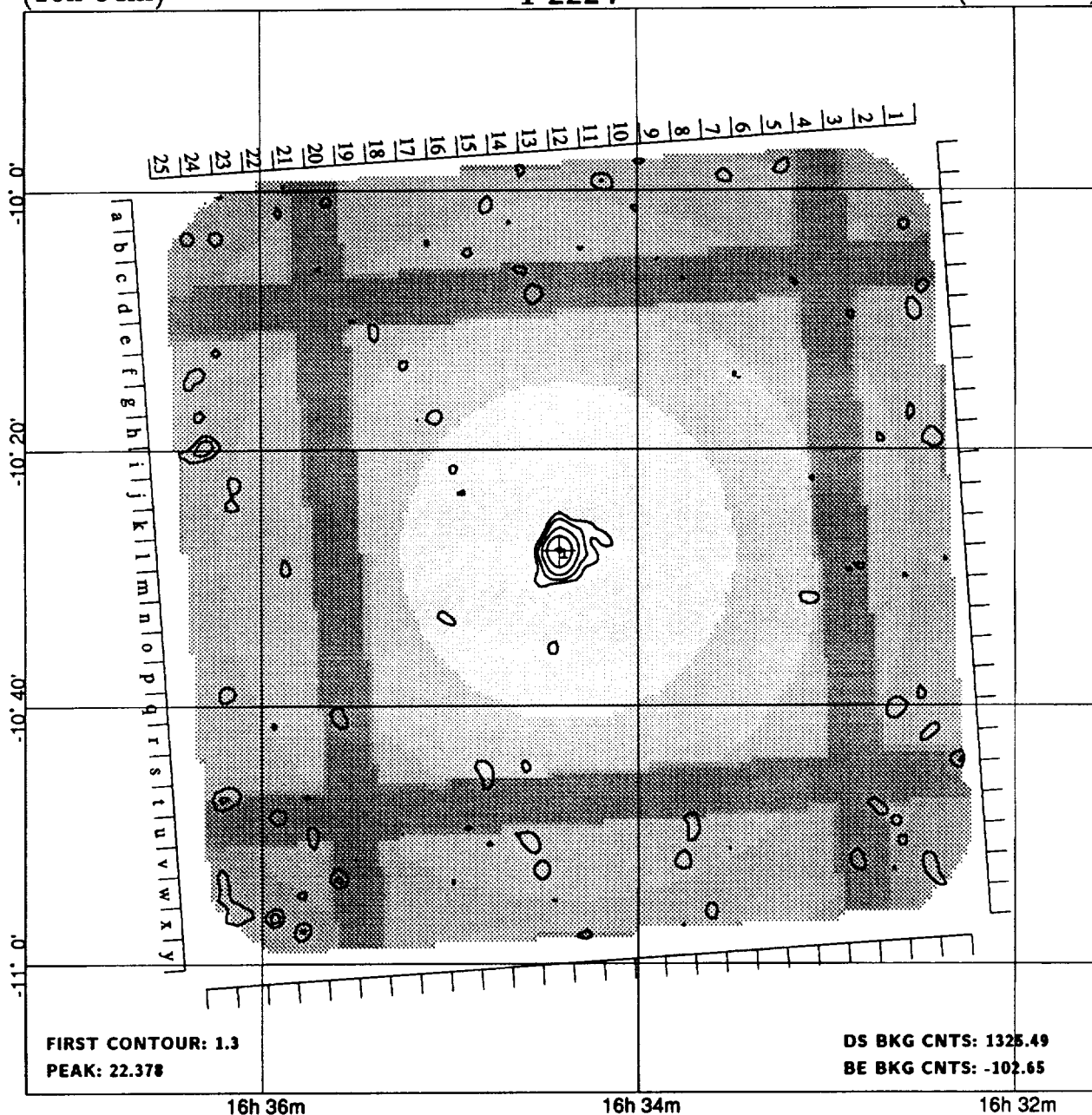
NH: $3.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3723	1	16 32 12.8	26 42 52	50	*0.0154	0.0017	103.3	27.7	9.0	1.3	1207	29.3	H
3725	2	16 33 06.2	26 43 49	55	0.00356	0.00084	36.1	35.9	4.3	0.7	0	17.5	
3726	3	16 33 20.7	26 37 18	48	*0.0138	0.0013	135.6	35.4	10.4	1.1	805	18.3	H
3727	4	16 33 34.0	26 44 25	42	0.00273	0.00074	32.5	44.5	3.7	0.6	0	11.6	
3728	5	16 33 44.1	26 30 18	50	*0.0080	0.0011	71.2	28.8	7.1	1.0	803	21.2	H
3733	6	16 34 33.0	26 54 08	38	0.0177	0.0013	235.3	52.7	13.9	3.2	0	5.4	H
3734	7	16 34 45.4	26 38 07	37	0.0589	0.0024	665.2	41.8	25.0	1.3	0	13.2	H
3736	8	16 35 02.0	26 51 20	38	0.0243	0.0015	302.3	43.7	16.3	2.2	0	9.6	H

(16h 34m)

I 2224

(16h 34m)



STELLAR SURVEY-EARLY TYPE STARS: HD149757=ZETA OPH

FIELD CENTER: $16^{\text{h}}34^{\text{m}}23.9^{\text{s}}$ $-10^{\circ}27'59''$ (B1950)
 $16^{\text{h}}37^{\text{m}}09.2^{\text{s}}$ $-10^{\circ}33'59''$ (J2000)
 ℓ : 6.28 b : 23.59

DATE: 1979/251 - 1979/251
 LIVETIME: 1074.1s
 ROLL ANGLE: 86.2°

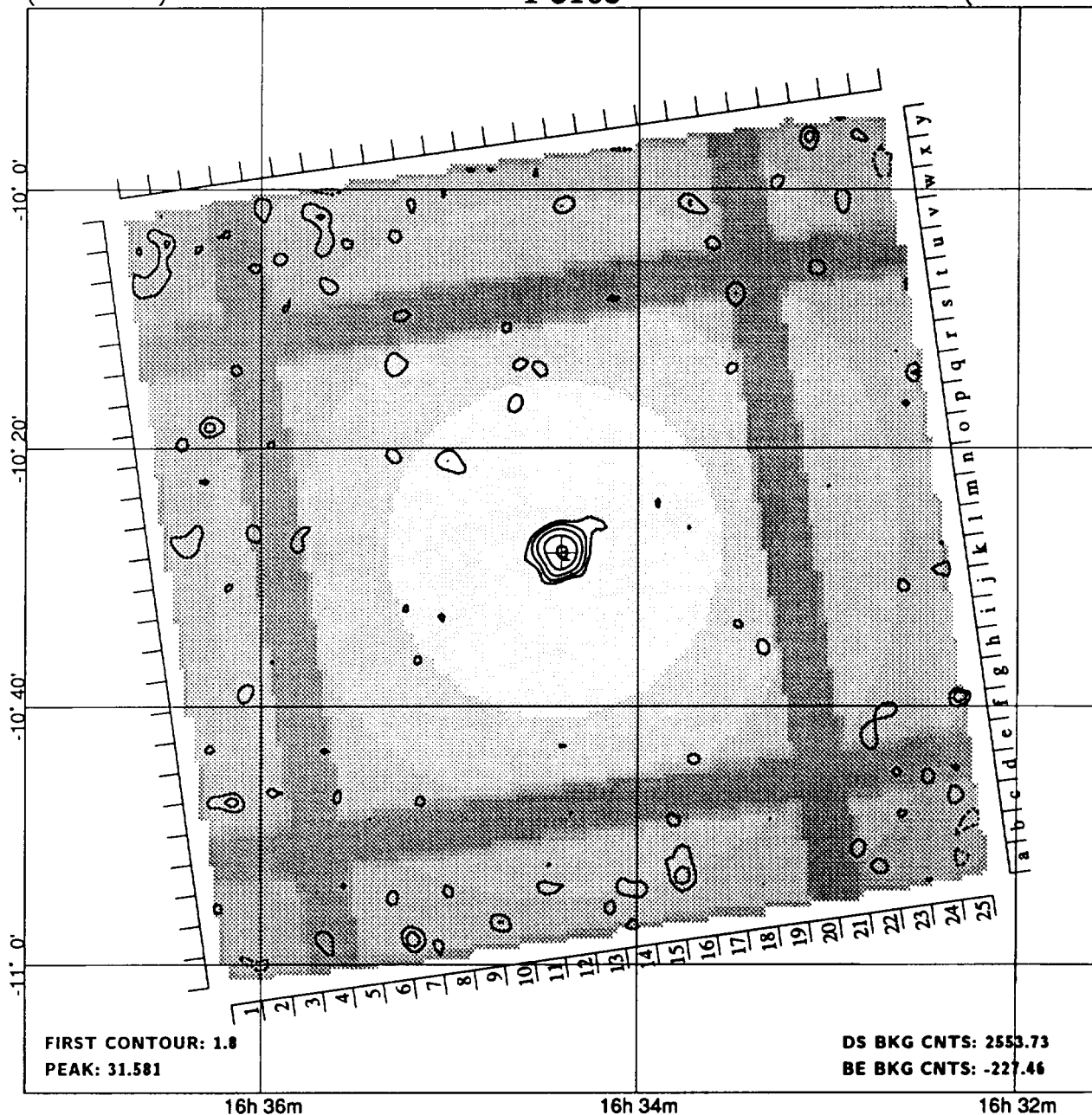
NH: 1.3E+21
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3732	1	16 34 25.0	-10 27 53	31	0.109	0.012	86.9	3.1	9.2	1.3	0	0.6	AH	S

(16h 34m)

I 5103

(16h 34m)



ZETA OPH, VARIABILITY IN OB STARS

FIELD CENTER: $16^{\text{h}}34^{\text{m}}23.9^{\text{s}}$ $-10^{\circ}27'59''$ (B1950)
 $16^{\text{h}}37^{\text{m}}09.2^{\text{s}}$ $-10^{\circ}33'59''$ (J2000)
 ℓ : 6.28 b : 23.59

DATE: 1980/ 61 - 1980/ 61
 LIVETIME: 2069.4s
 ROLL ANGLE: -98.1°

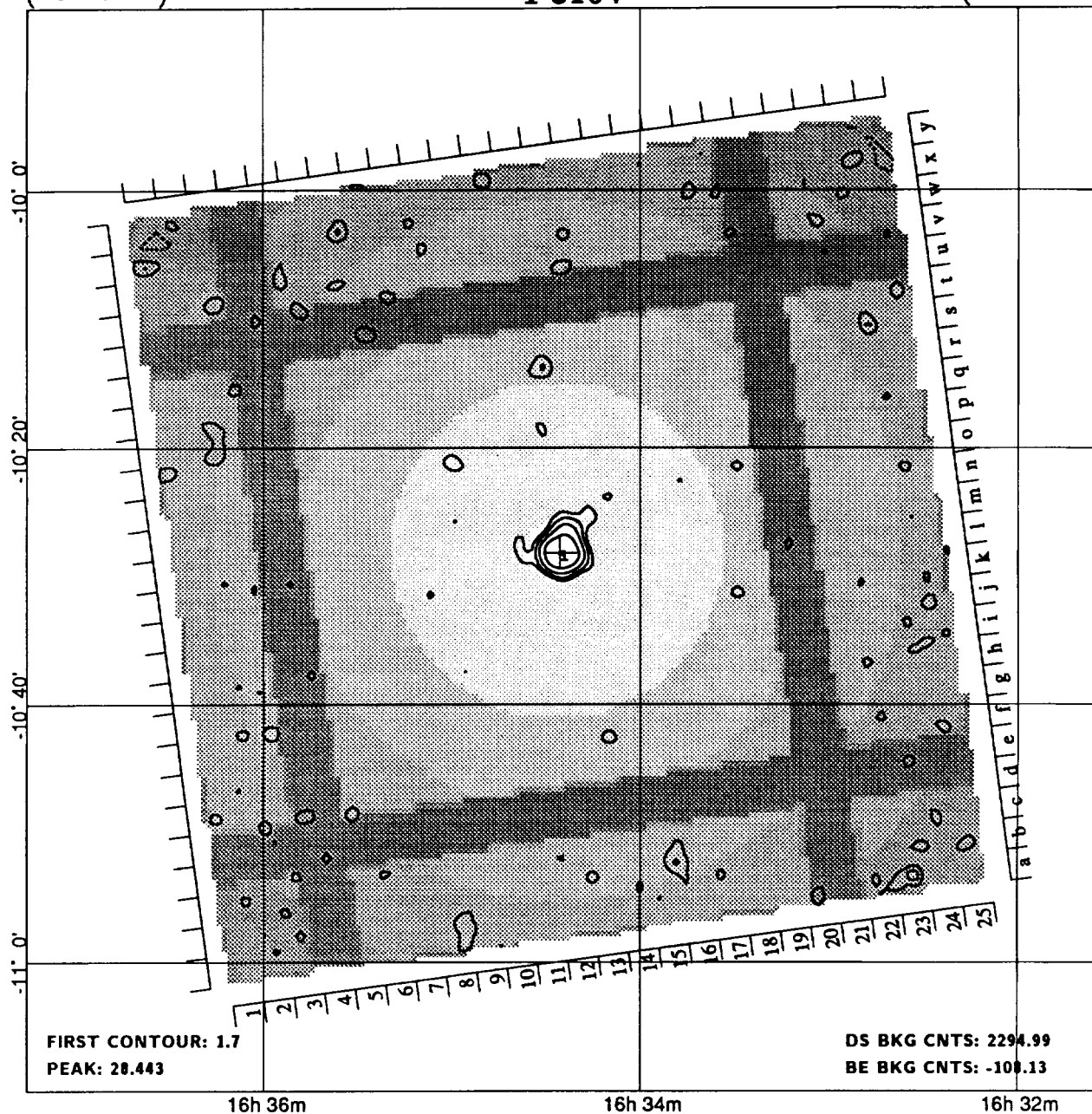
NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3732	1	16 34 24.3	-10 28 09	31	0.0928	0.0079	143.1	5.9	11.7	1.2	0	0.4	AH	S

(16h 34m)

I 5104

(16h 34m)



FIELD CENTER: $16^{\text{h}}34^{\text{m}}23.9^{\text{s}}$ $-10^{\circ}27'59''$ (B1950)
 $16^{\text{h}}37^{\text{m}}09.2^{\text{s}}$ $-10^{\circ}33'59''$ (J2000)
 $l: 6.28$ $b: 23.59$

DATE: 1980/ 63 - 1980/ 63
 LIVETIME: 1859.7s
 ROLL ANGLE: -97.7°

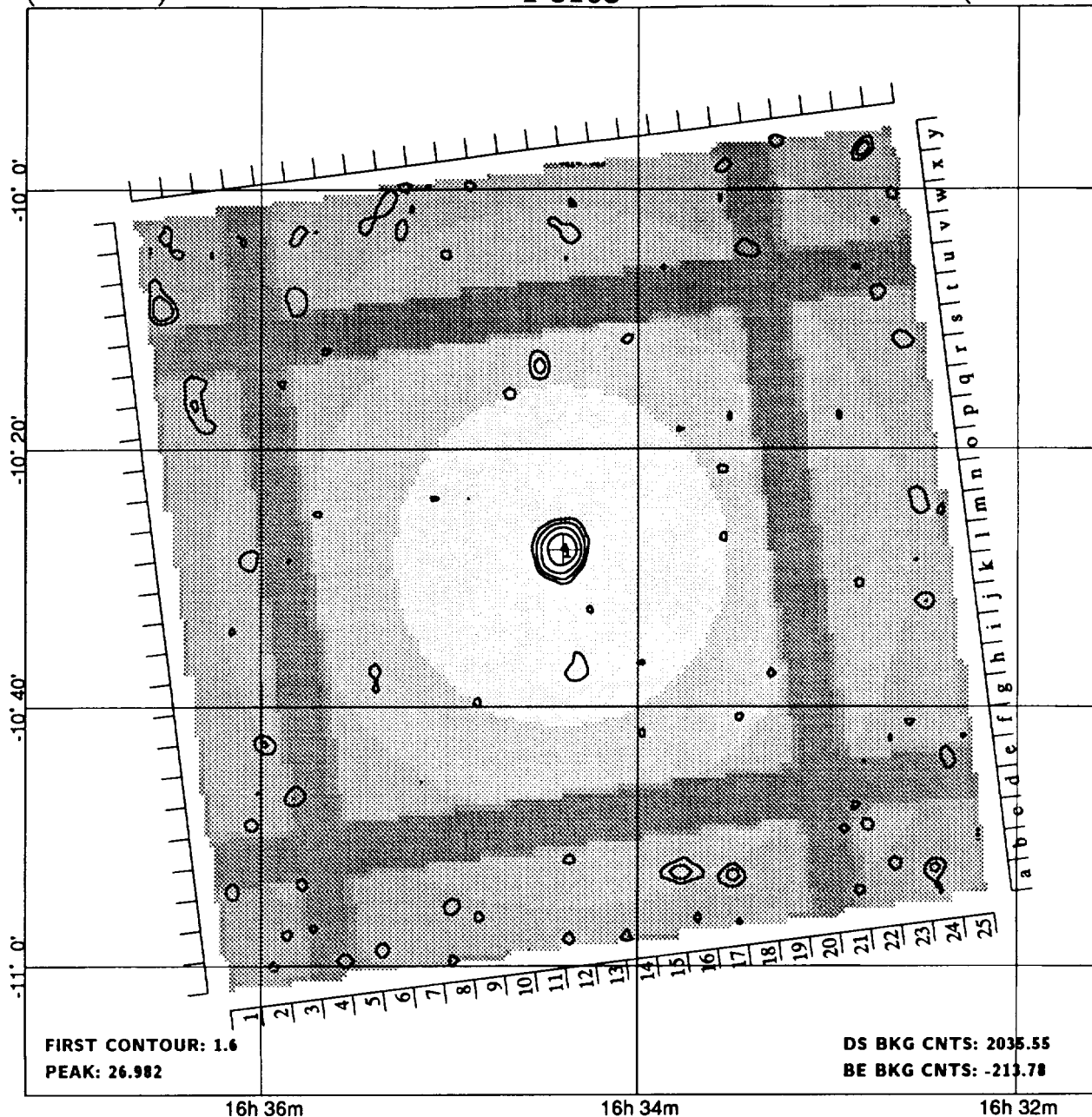
NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3732	1	16 34 25.6	-10 28 10	31	0.1051	0.0089	145.8	5.2	11.9	1.4	0	0.7	AH	S

(16h 34m)

I 5105

(16h 34m)



ZETA OPH, VARIABILITY IN OB STARS

FIELD CENTER: $16^h 34^m 23.9^s$ $-10^\circ 27' 59''$ (B1950)
 $16^h 37^m 09.2^s$ $-10^\circ 33' 59''$ (J2000)
 ℓ : 6.28 b : 23.59

DATE: 1980/ 66 - 1980/ 66
 LIVETIME: 1649.5s
 ROLL ANGLE: -97.1°

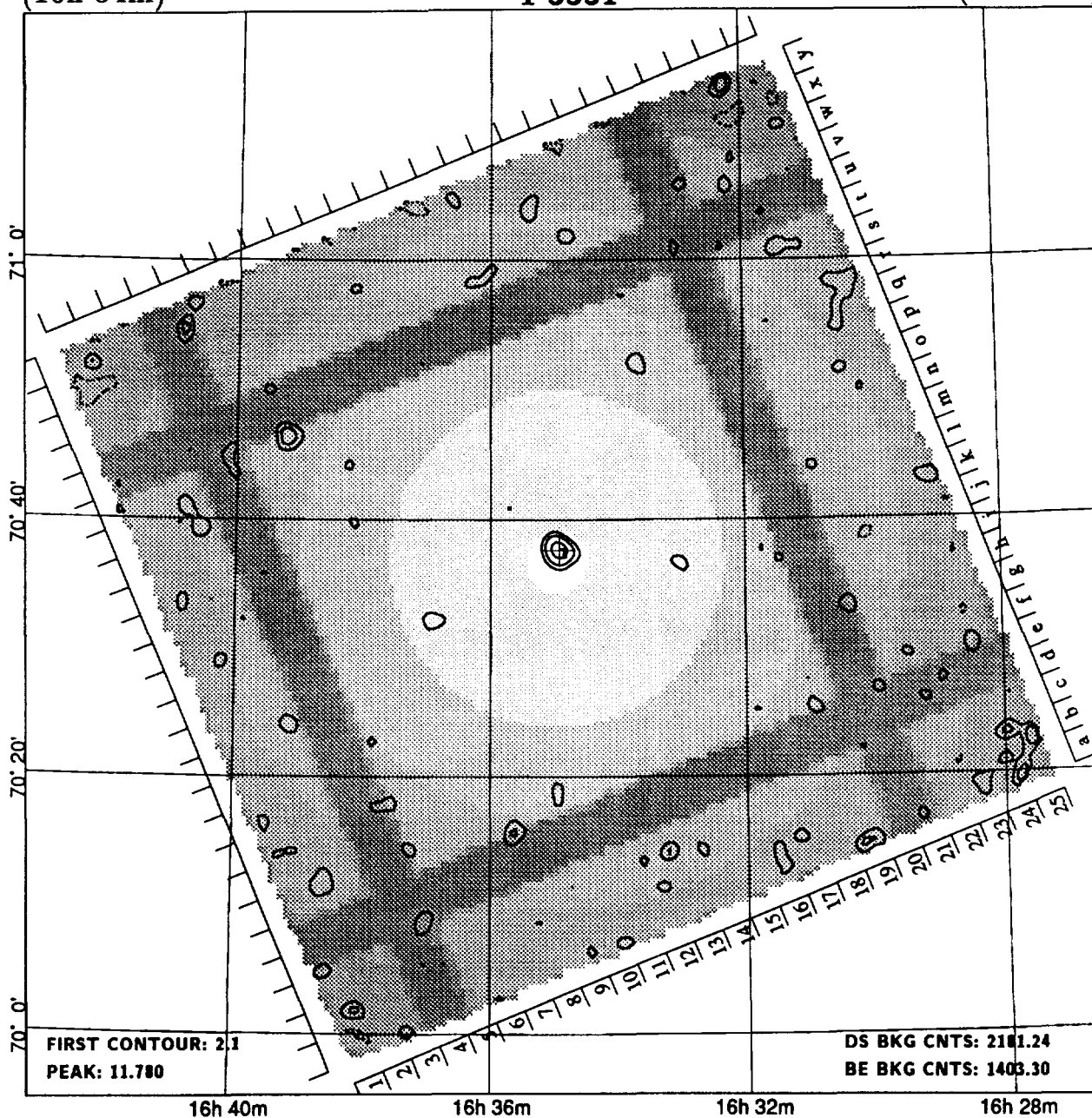
NH: $1.3E+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3732	1	16 34 23.9	-10 27 49	31	0.0942	0.0089	115.8	4.2	10.6	1.2	0	0.4	AH	S

(16h 34m)

I 5351

(16h 34m)



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $16^{\text{h}}34^{\text{m}}51.2^{\text{s}}$ $70^{\circ}37'27''$ (B1950)
 $16^{\text{h}}34^{\text{m}}28.5^{\text{s}}$ $70^{\circ}31'23''$ (J2000)
 ℓ : 102.84 b : 36.65

DATE: 1981/ 37 - 1981/ 37
 LIVETIME: 1767.6s
 ROLL ANGLE: -112.2°

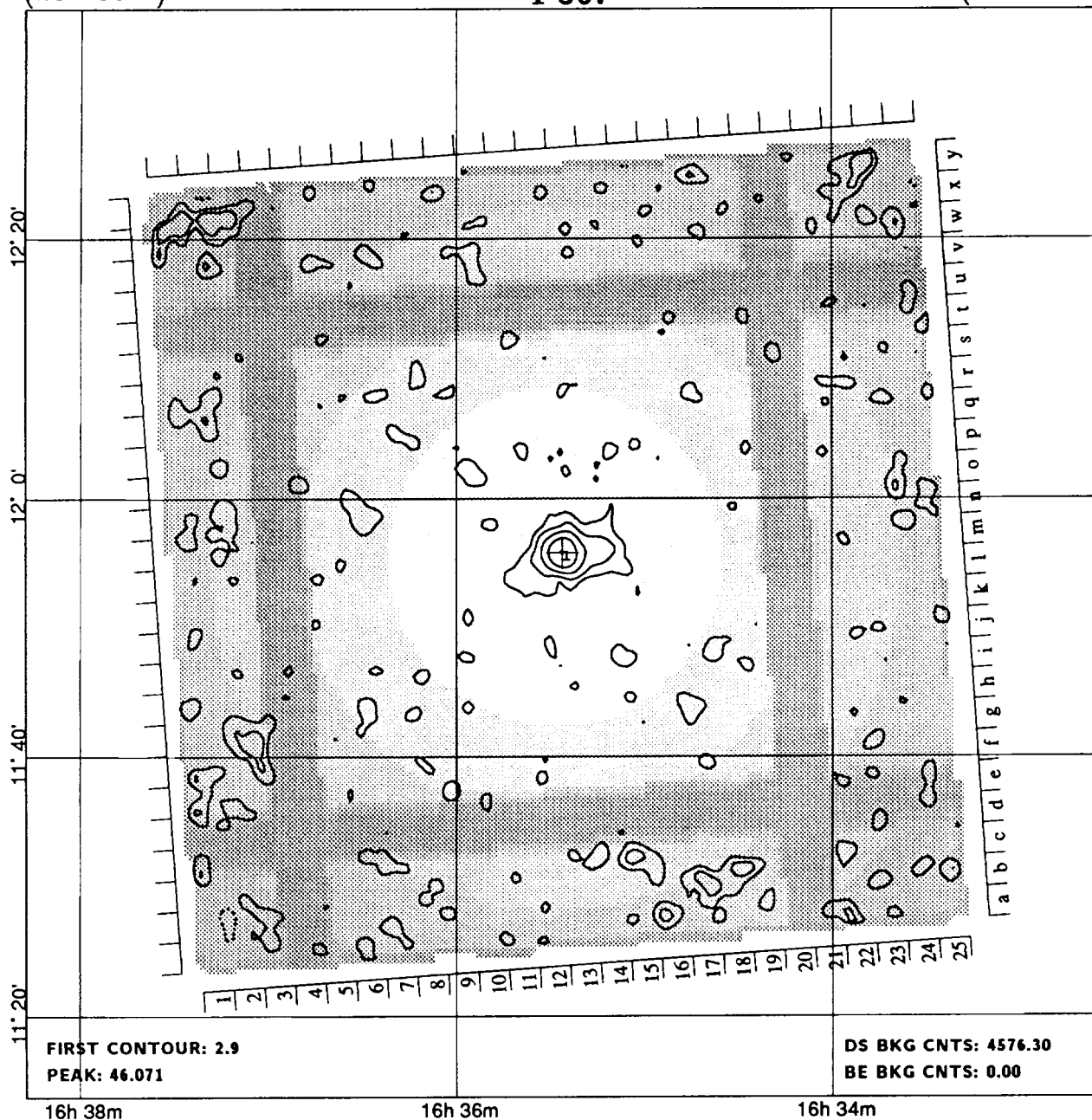
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3735	1L	16 34 55.1	70 37 39	35	0.0305	0.0061	40.2	8.8	4.8	0.8	0	0.4		Q

(16h 35m)

I 567

(16h 35m)



QSO 1635+119 QUASAR SURVEY

FIELD CENTER: $16^{\text{h}}35^{\text{m}}26.0^{\text{s}}$ $11^{\circ}55'40''$ (B1950)
 $16^{\text{h}}37^{\text{m}}46.6^{\text{s}}$ $11^{\circ}49'44''$ (J2000)
 $l: 28.50$ $b: 34.97$

DATE: 1979/ 65 - 1979/ 65
 LIVETIME: 3708.3s
 ROLL ANGLE: -93.9°

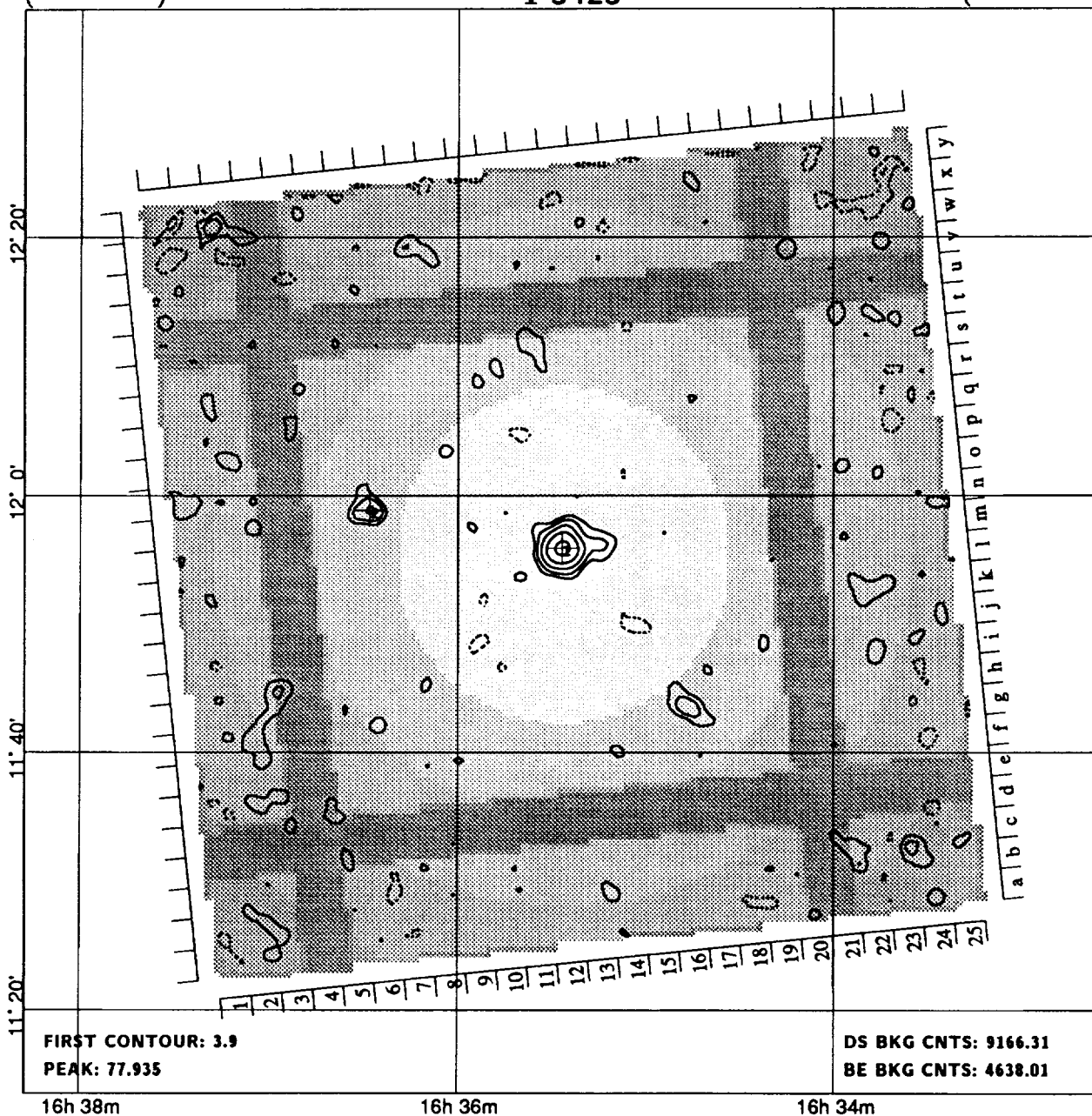
NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3737	1L	16 35 26.1	11 55 47	31	0.0628	0.0060	173.6	35.4	10.3	1.7	0	0.2	A	Q

(16h 35m)

I 5425

(16h 35m)



FIELD CENTER: $16^{\text{h}}35^{\text{m}}26.1^{\text{s}}$ $11^{\circ}55'40''$ (B1950)
 $16^{\text{h}}37^{\text{m}}46.7^{\text{s}}$ $11^{\circ}49'44''$ (J2000)
 $l: 28.50$ $b: 34.97$

DATE: 1980/ 68 - 1980/ 68
 LIVETIME: 7427.8s
 ROLL ANGLE: -95.8°

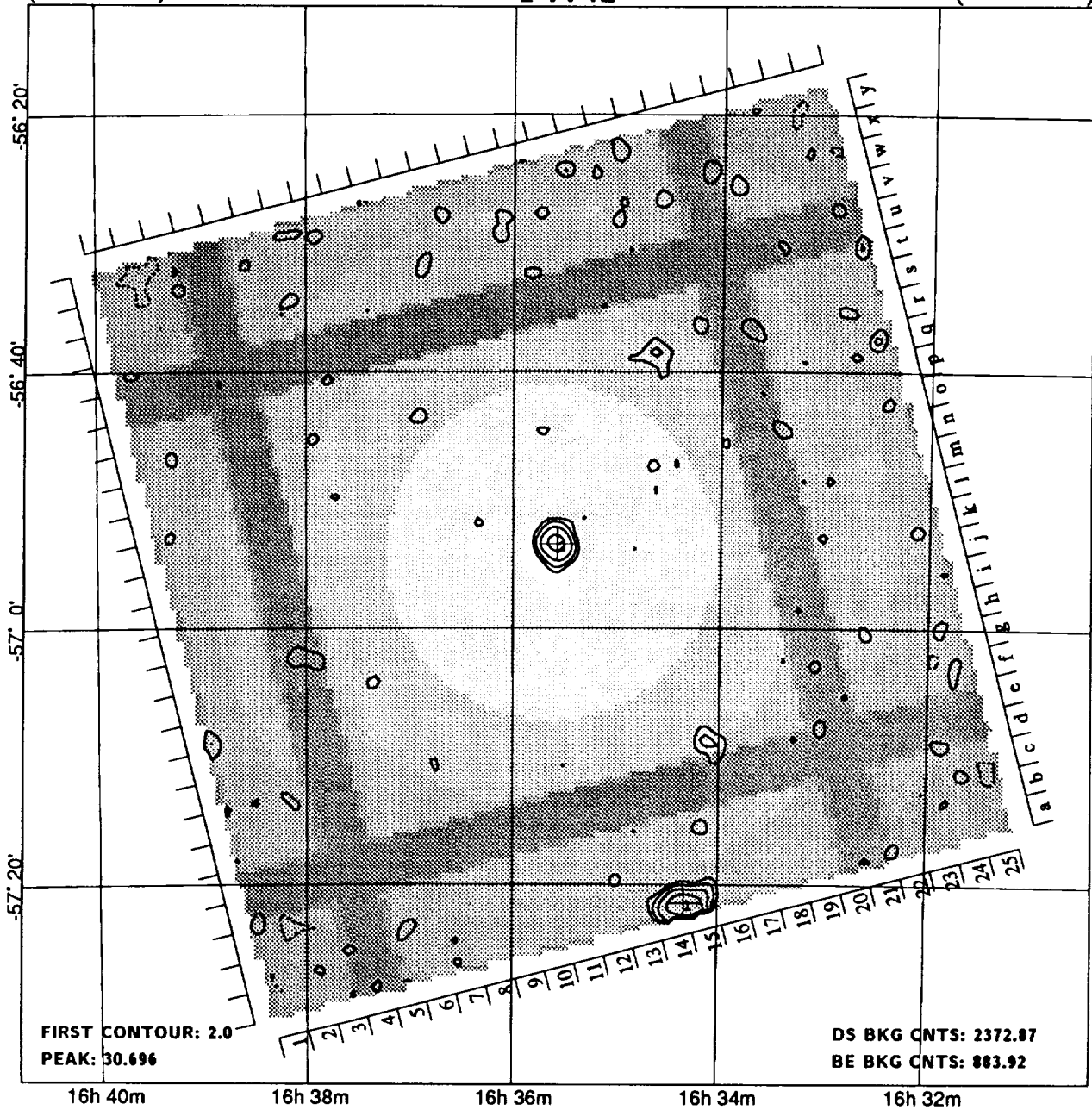
NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3737	1L	16 35 26.7	11 55 53	31	0.0493	0.0039	273.0	68.0	12.7	1.2	0	0.3	A	Q
3740	2L	16 36 28.2	11 58 52	50	0.0103	0.0024	44.4	27.6	4.2	0.8	0	15.5		

(16h 35m)

I 7742

(16h 35m)



HD 149730, INTERACTING CLOSE BINARY SYSTEMS

FIELD CENTER: $16^{\text{h}}35^{\text{m}}35.0^{\text{s}}$ $-56^{\circ}53'35''$ (B1950)
 $16^{\text{h}}39^{\text{m}}44.9^{\text{s}}$ $-56^{\circ}59'28''$ (J2000)
 $l: 330.35$ $b: -6.83$

DATE: 1980/ 74 - 1980/ 74
 LIVETIME: 1991.9s
 ROLL ANGLE: -104.4°

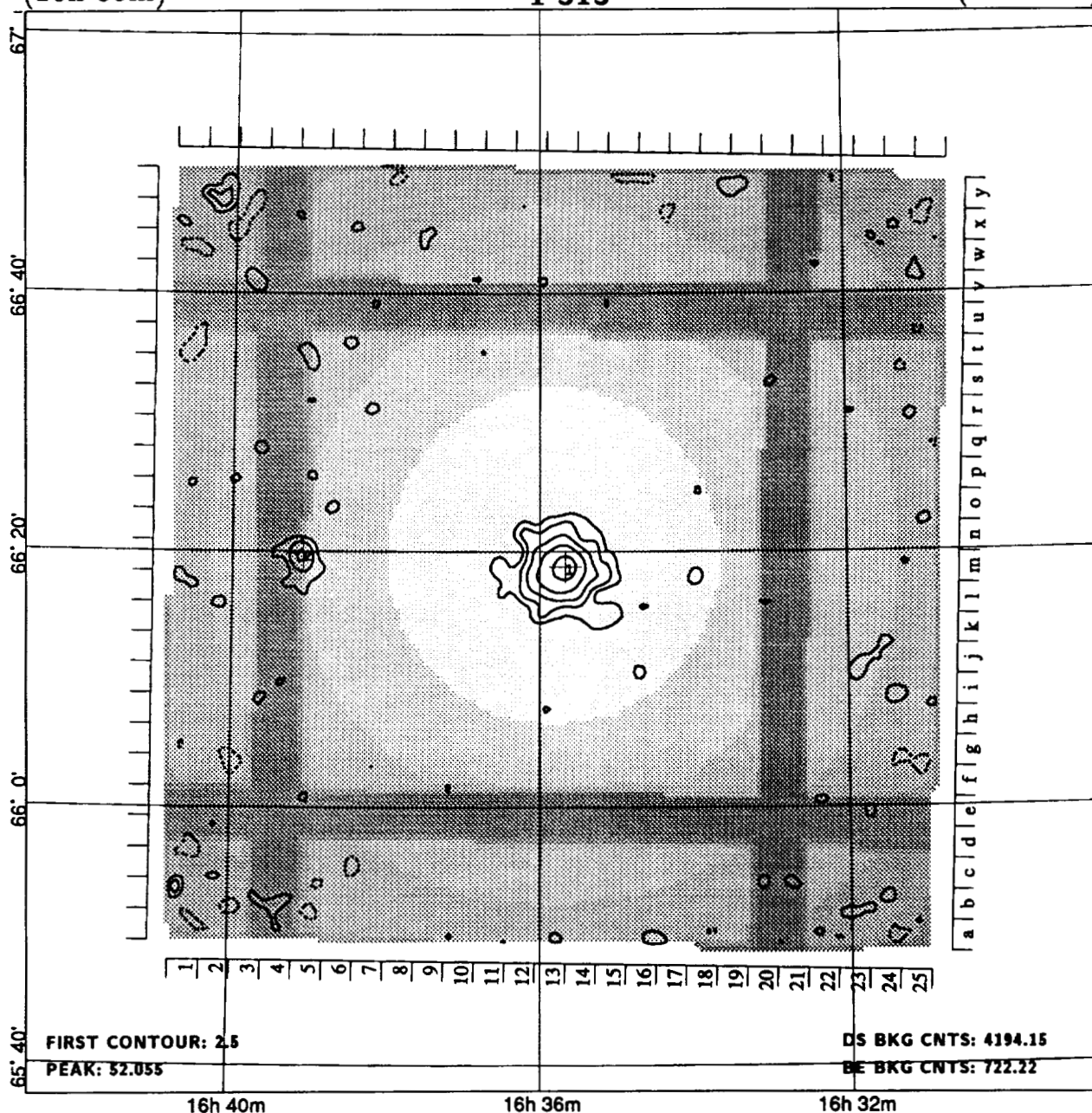
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3731	1	16 34 19.6	-57 21 25	50	*0.084	0.011	57.4	3.6	7.4	1.2	603	29.7	AH	
3738	2	16 35 34.4	-56 53 26	31	0.0540	0.0064	80.1	8.9	8.5	1.0	0	0.2	AH	S

(16h 35m)

I 313

(16h 35m)



A 2218 CLUSTERS WITH WELL STUDIED OPTICAL PROPERTIES

FIELD CENTER: $16^{\text{h}}35^{\text{m}}41.9^{\text{s}}$ $66^{\circ}19'59''$ (B1950)
 $16^{\text{h}}35^{\text{m}}53.7^{\text{s}}$ $66^{\circ}13'59''$ (J2000)
 $l: 97.77$ $b: 38.12$

DATE: 1979/ 56 - 1979/ 56
 LIVETIME: 3398.6s
 ROLL ANGLE: -89.0°

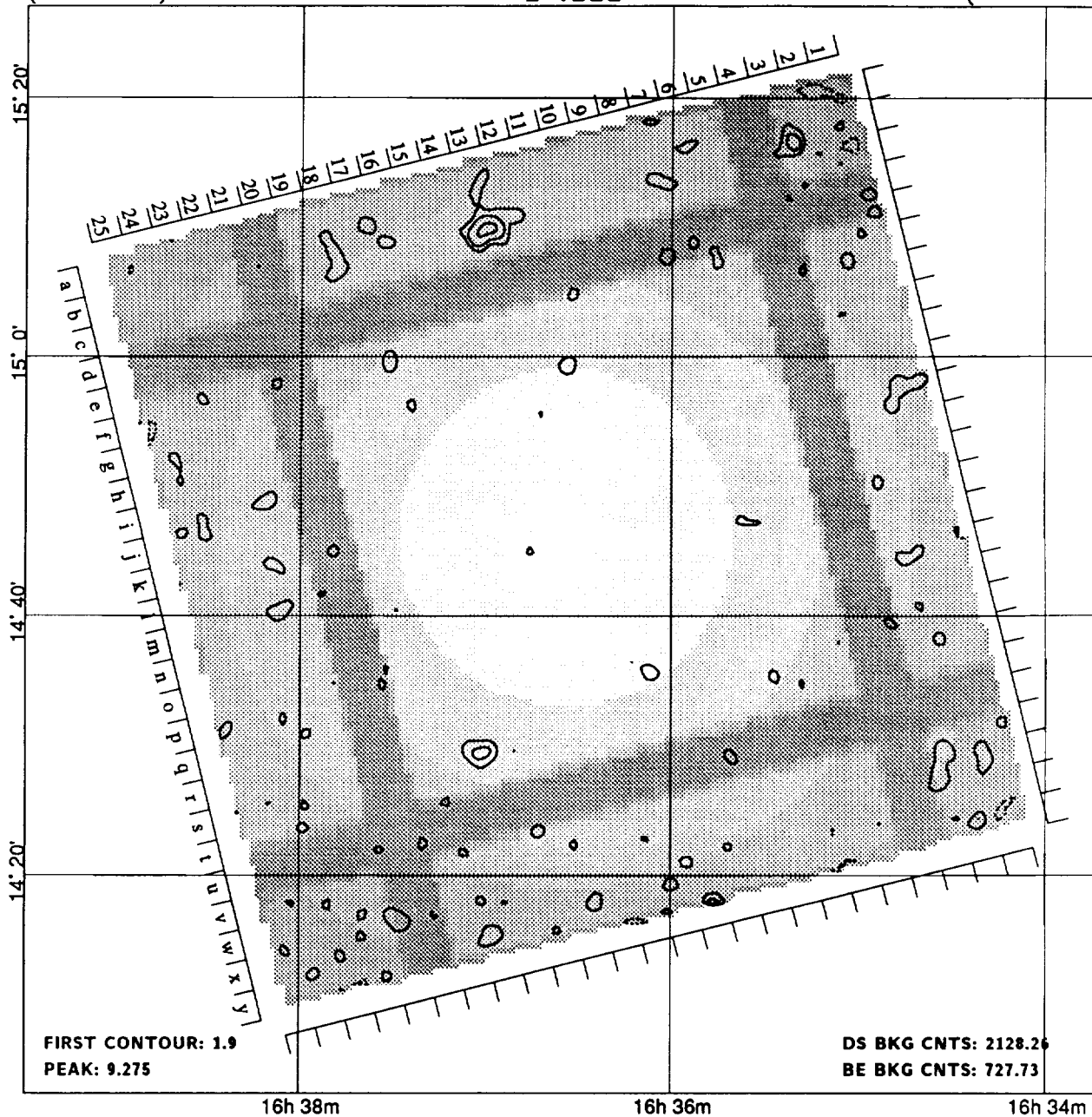
NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3739	1	16 35 40.1	66 18 49	31	0.0991	0.0064	250.2	13.8	15.4	2.2	0	0.9	H	CLG
3745	2	16 39 05.2	66 19 51	51	*0.0143	0.0032	25.0	6.0	4.5	1.1	906	20.4	H	

(16h 36m)

I 4111

(16h 36m)

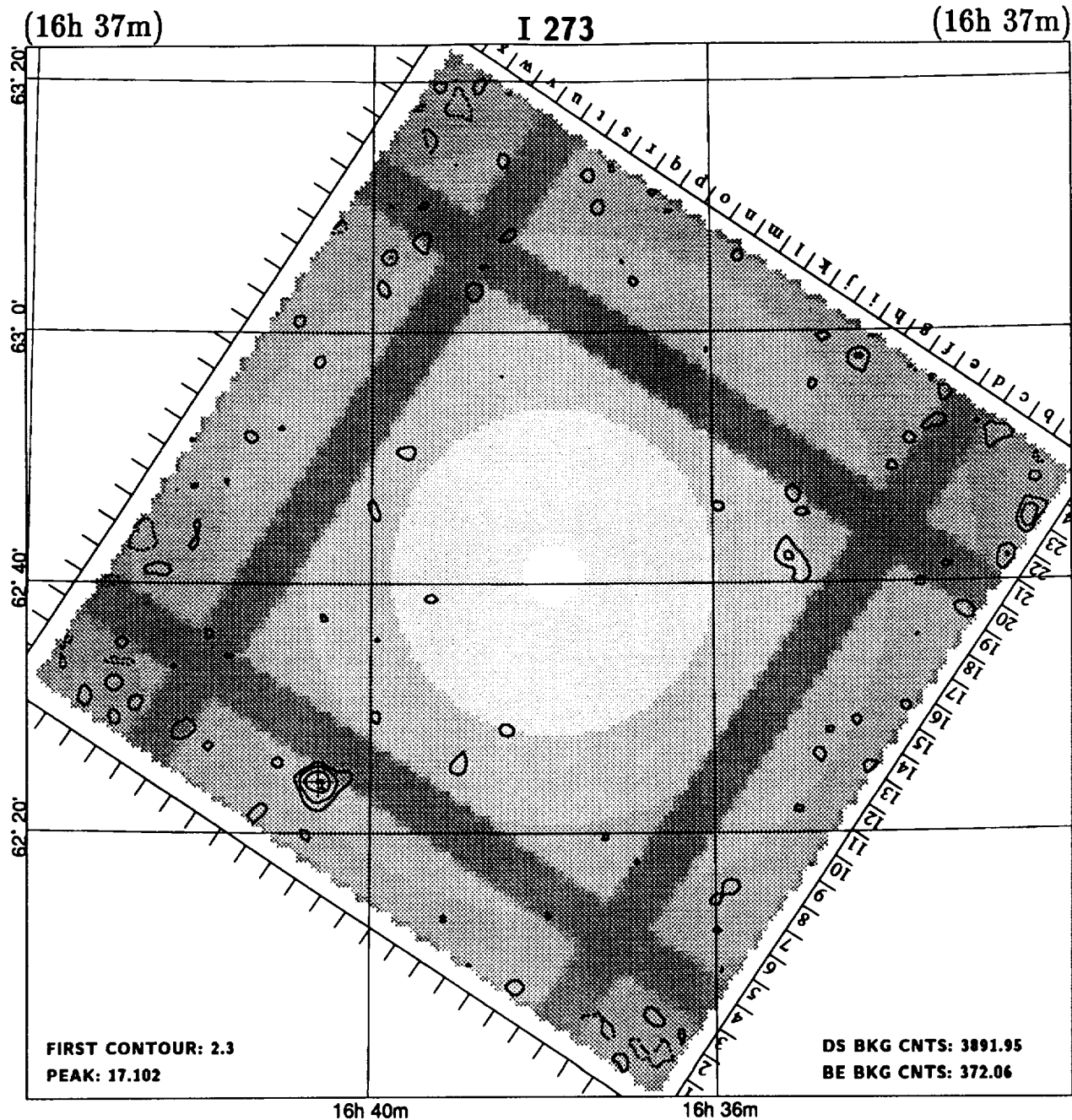


H1628+15 POSITION

FIELD CENTER: $16^{\text{h}}36^{\text{m}}35.0^{\text{s}}$ $14^{\circ}45'05''$ (B1950)
 $16^{\text{h}}38^{\text{m}}52.3^{\text{s}}$ $14^{\circ}39'13''$ (J2000)
 ℓ : 31.80 b : 35.88

DATE: 1980/234 - 1980/234
 LIVETIME: 1724.6s
 ROLL ANGLE: 76.0°

NH: $5.2\text{E}+20$
 REF/ID:
 FIELD FLAGS: L



3C 343.1 CLUSTER EVOLUTION

FIELD CENTER: $16^h 37^m 54.9^s$ $62^\circ 40' 59''$ (B1950)
 $16^h 38^m 27.7^s$ $62^\circ 35' 09''$ (J2000)
 $l: 93.23$ $b: 39.01$

DATE: 1979/ 6 - 1979/ 6
 LIVETIME: 3153.8s
 ROLL ANGLE: -146.3°

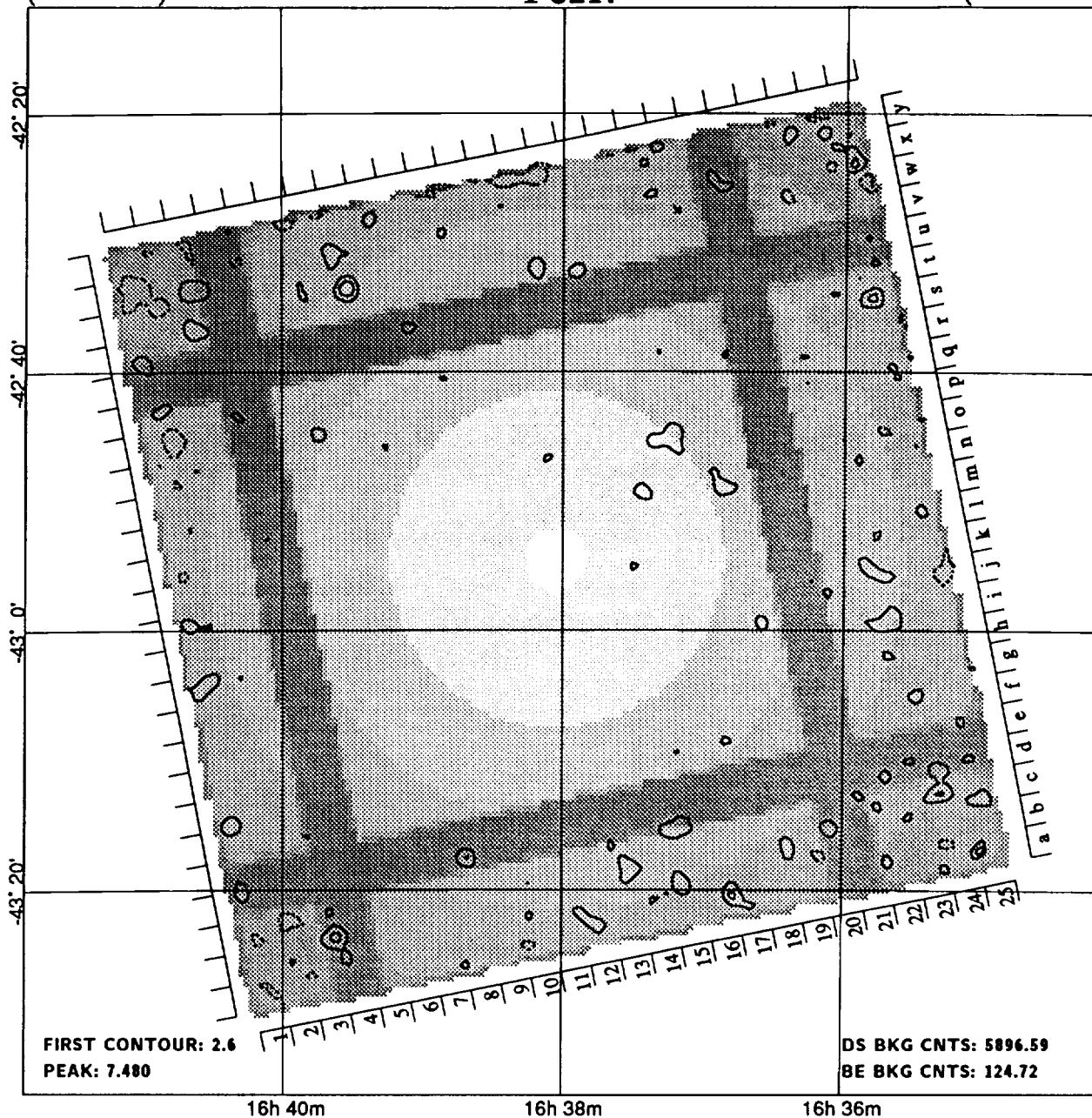
NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3749	1	16 40 36.3	62 24 08	51	*0.0273	0.0049	36.7	6.3	5.6	1.0	601	25.1	H	S

(16h 38m)

I 5217

(16h 38m)

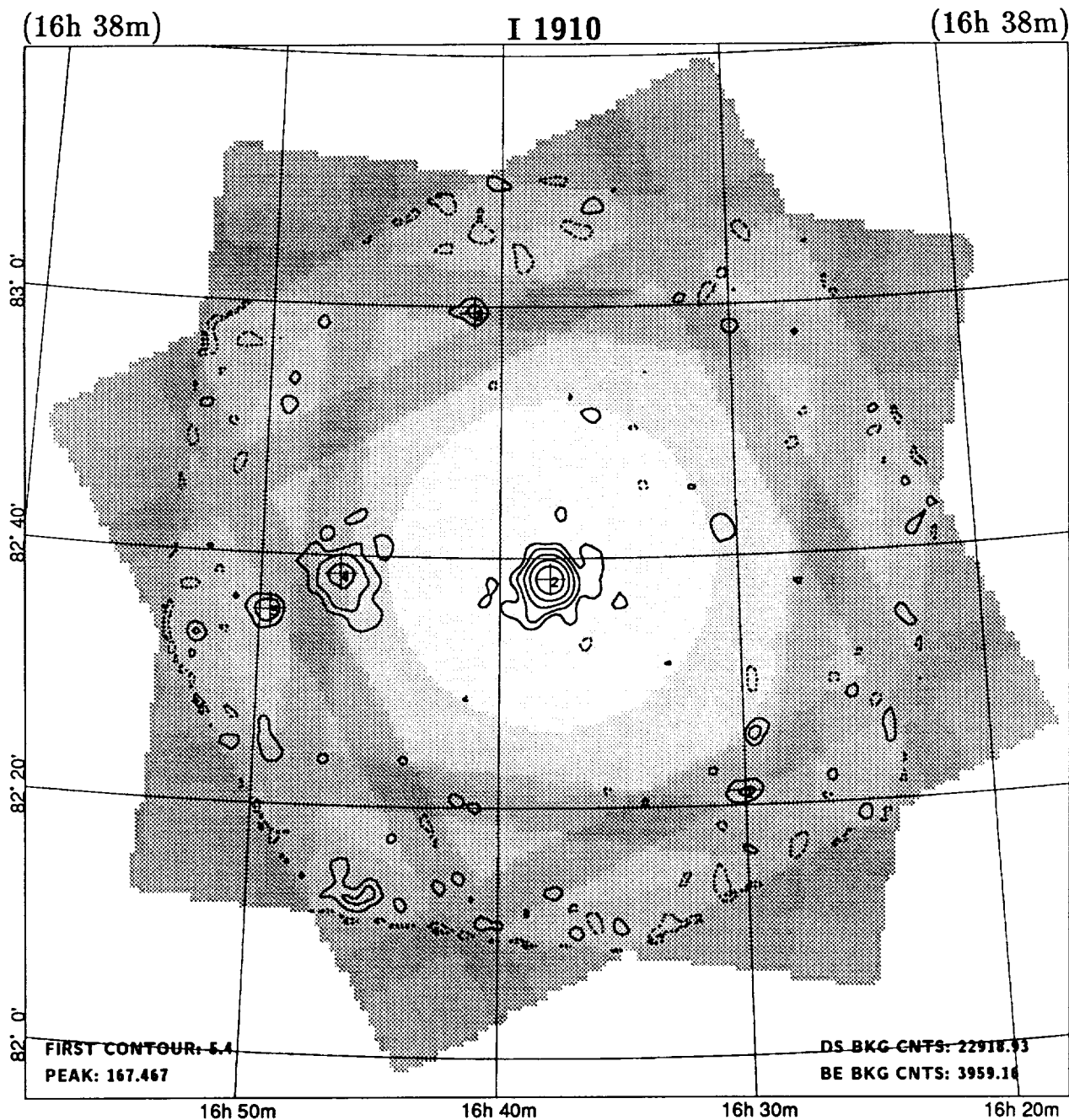


STAR 149404, X-RAYS FROM BINARY O STARS

FIELD CENTER: $16^{\text{h}}38^{\text{m}}00.0^{\text{s}}$ $-42^{\circ}53'59''$ (B1950)
 $16^{\text{h}}41^{\text{m}}32.2^{\text{s}}$ $-42^{\circ}59'43''$ (J2000)
 ℓ : 341.07 b : 2.21

DATE: 1980/ 71 - 1980/ 73
 LIVETIME: 4949.8s
 ROLL ANGLE: -101.3°

NH: $5.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:



X-RAY STUDY OF RADIO GALAXIES: NGC6251

FIELD CENTER: $16^{\text{h}}38^{\text{m}}00.0^{\text{s}}$ $82^{\circ}38'59''$ (B1950)
 $16^{\text{h}}32^{\text{m}}34.1^{\text{s}}$ $82^{\circ}32'57''$ (J2000)
 $l: 115.77$ $b: 31.19$

DATE: 1979/252 - 1979/310
 LIVETIME: 18571.8s

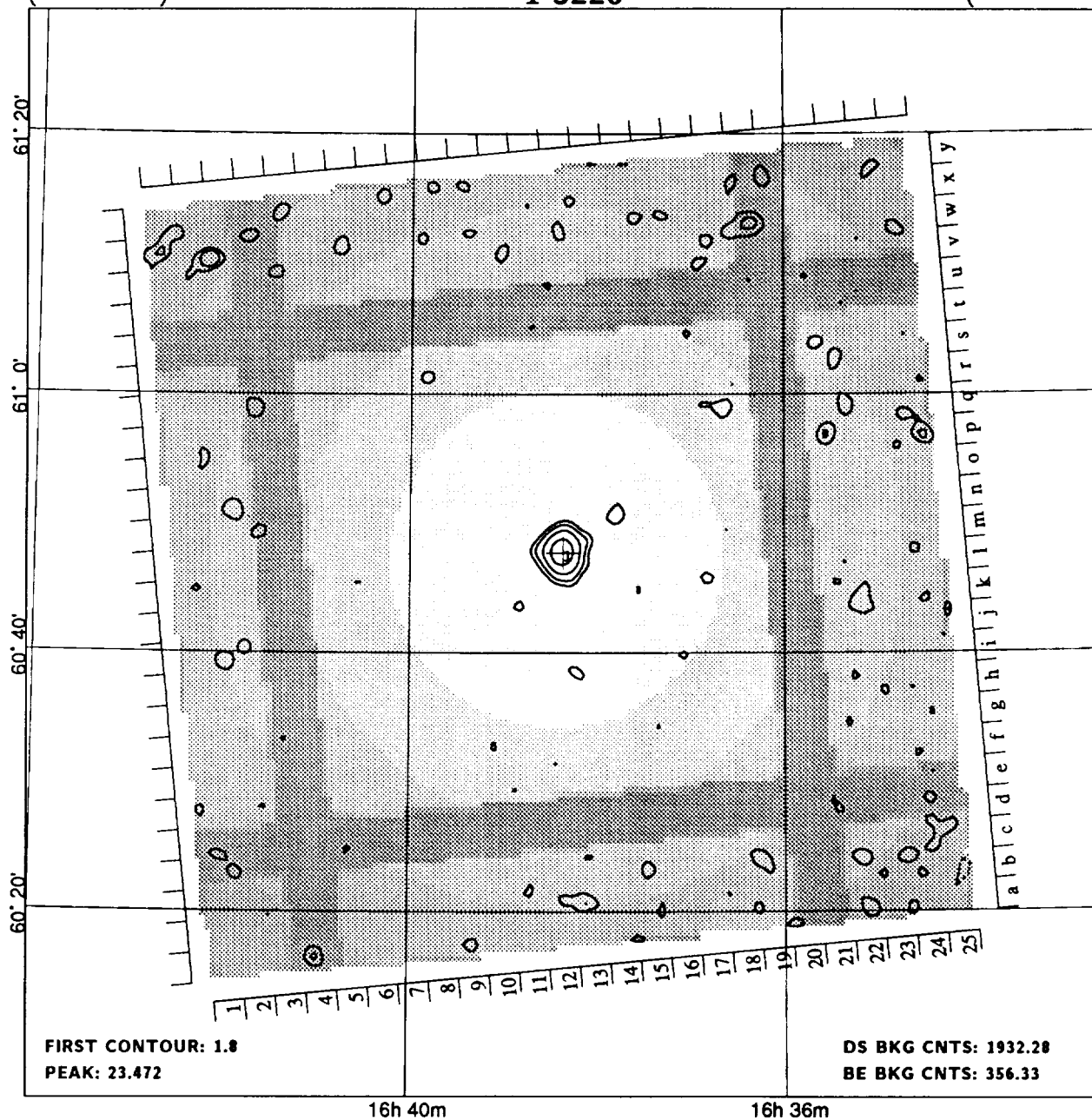
NH: $6.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3718	1	16 30 01.9	82 21 08	80	*0.00373	0.00098	31.3	36.7	3.8	0.7	1307	23.6		
3741	2	16 37 53.5	82 38 23	31	0.0527	0.0020	726.7	62.3	25.9	1.4	0	0.7	H	
3751	3	16 41 11.4	82 59 29	61	*0.00340	0.00089	31.1	35.9	3.8	0.7	1409	21.4		
3765	4	16 46 41.0	82 38 36	50	*0.0098	0.0012	102.0	45.0	8.4	2.2	1006	16.7	H	
3775	5	16 49 34.6	82 35 37	55	*0.0049	0.0010	42.2	35.8	4.8	0.8	704	22.4	H	

(16h 38m)

I 3220

(16h 38m)



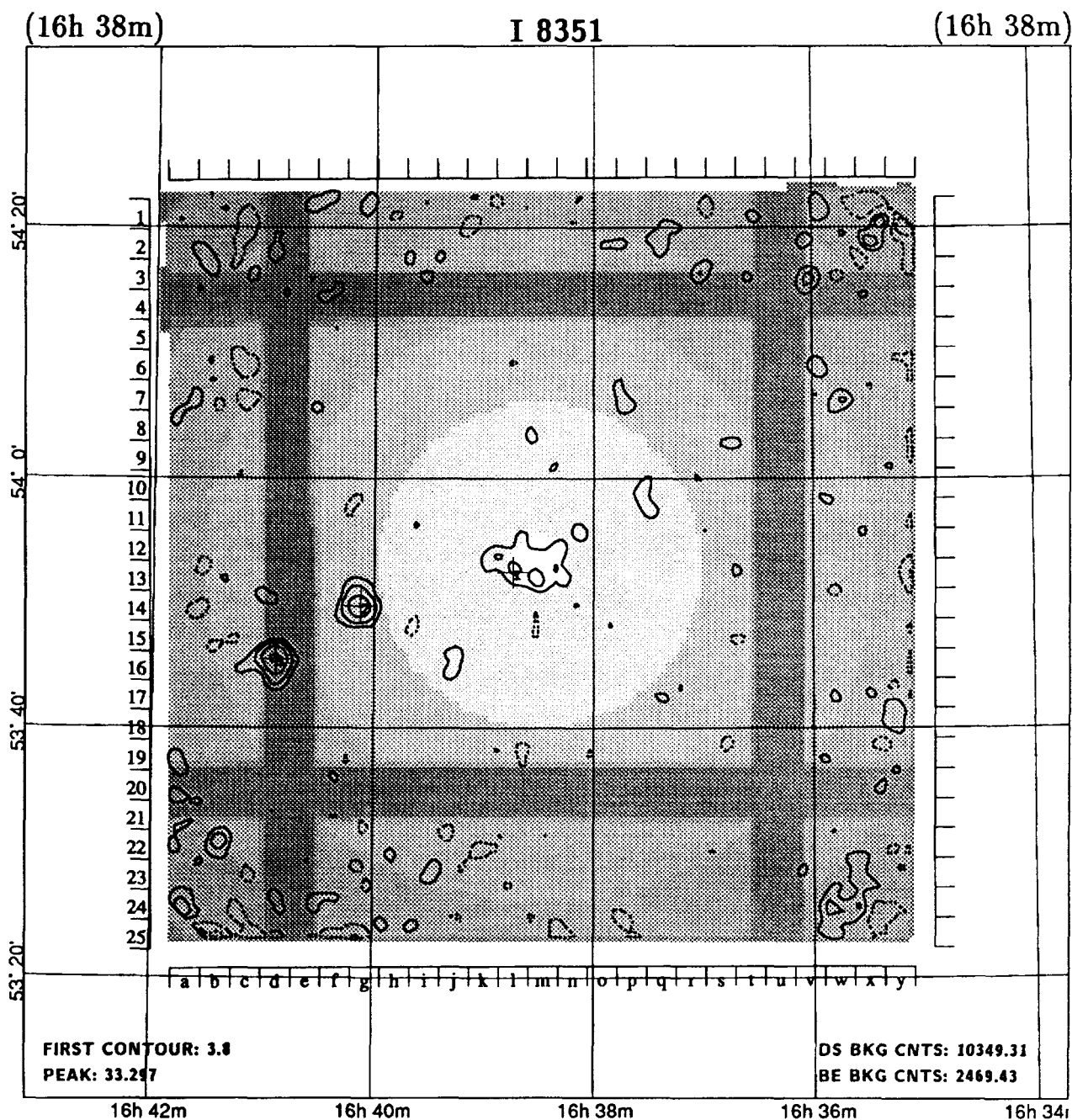
RS CVN SYSTEMS: WW DRA

FIELD CENTER: $16^h 38^m 21.0^s$ $60^\circ 47' 44''$ (B1950)
 $16^h 39^m 02.9^s$ $60^\circ 41' 56''$ (J2000)
 $l: 90.86$ $b: 39.46$

DATE: 1979/ 57 - 1979/ 57
 LIVETIME: 1565.8s
 ROLL ANGLE: -95.4°

NH: $2.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3742	1	16 38 21.6	60 47 45	31	0.0842	0.0087	98.2	5.8	9.6	1.2	0	0.4	H	CV



A2220, CLUSTERS OF GALAXIES W/RADIO SOURCES

FIELD CENTER: $16^h 38^m 25.0^s$ $53^\circ 52' 29''$ (B1950)
 $16^h 39^m 33.0^s$ $53^\circ 46' 42''$ (J2000)
 $l: 81.99$ $b: 40.85$

DATE: 1980/153 - 1980/153
 LIVETIME: 8386.2s
 ROLL ANGLE: -0.2°

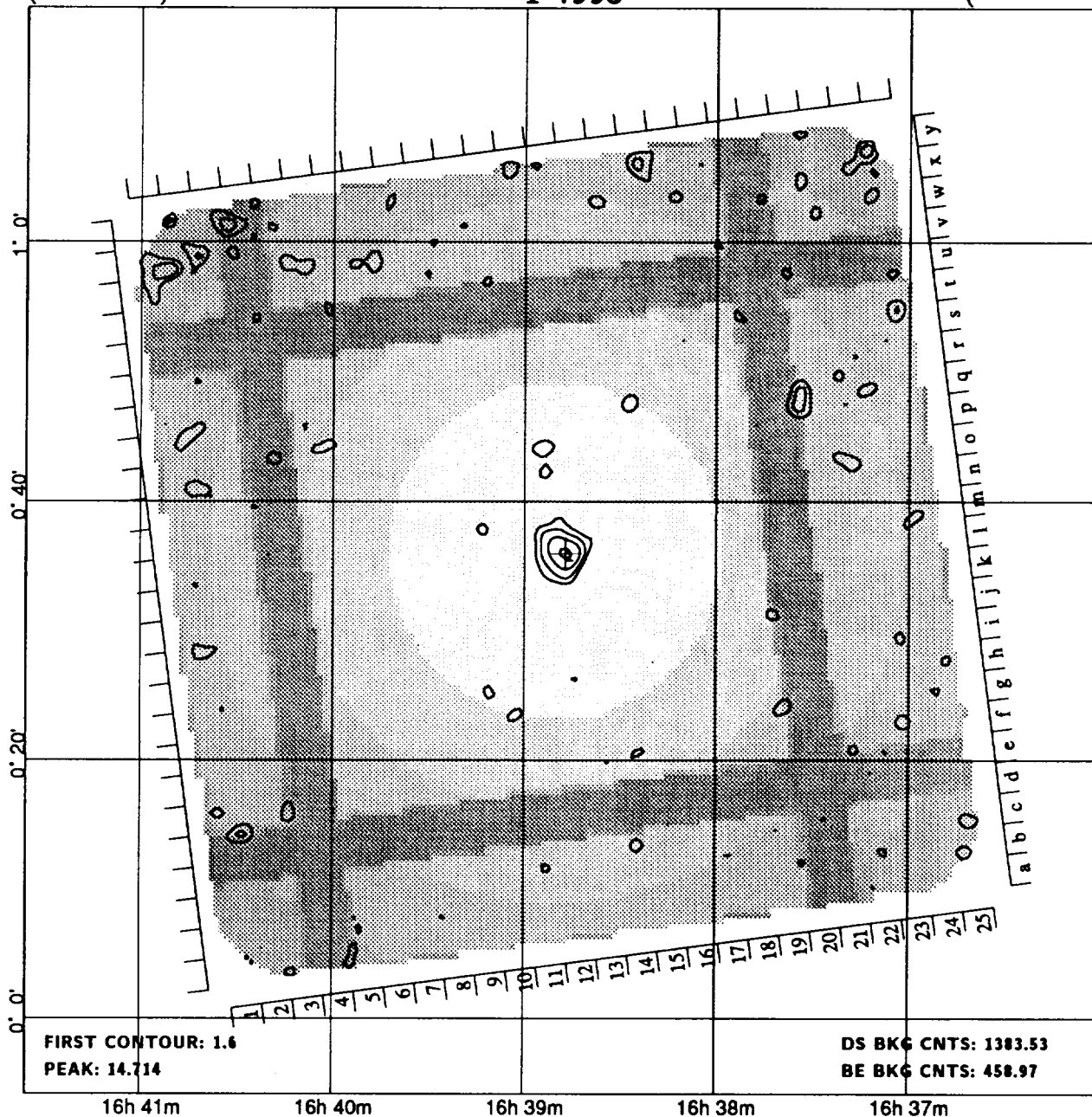
NH: $2.5E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3743	1	16 38 44.3	53 52 31	36	0.0048	0.0013	29.6	37.4	3.6	2.3	0	0.9	H	
3747	2	16 40 07.3	53 49 49	50	0.0149	0.0020	74.2	23.8	7.5	1.0	0	15.3	H	*
3750	3	16 40 53.5	53 45 34	50	*0.0197	0.0025	77.4	17.6	7.9	1.0	1109	23.0		

(16h 38m)

I 4993

(16h 38m)



FIELD CENTER: $16^{\text{h}}38^{\text{m}}47.8^{\text{s}}$ $00^{\circ}36'07''$ (B1950)
 $16^{\text{h}}41^{\text{m}}20.9^{\text{s}}$ $00^{\circ}30'25''$ (J2000)
 ℓ : 17.22 b : 28.85

DATE: 1980/ 61 - 1980/ 61
 LIVETIME: 1121.1s
 ROLL ANGLE: -97.5°

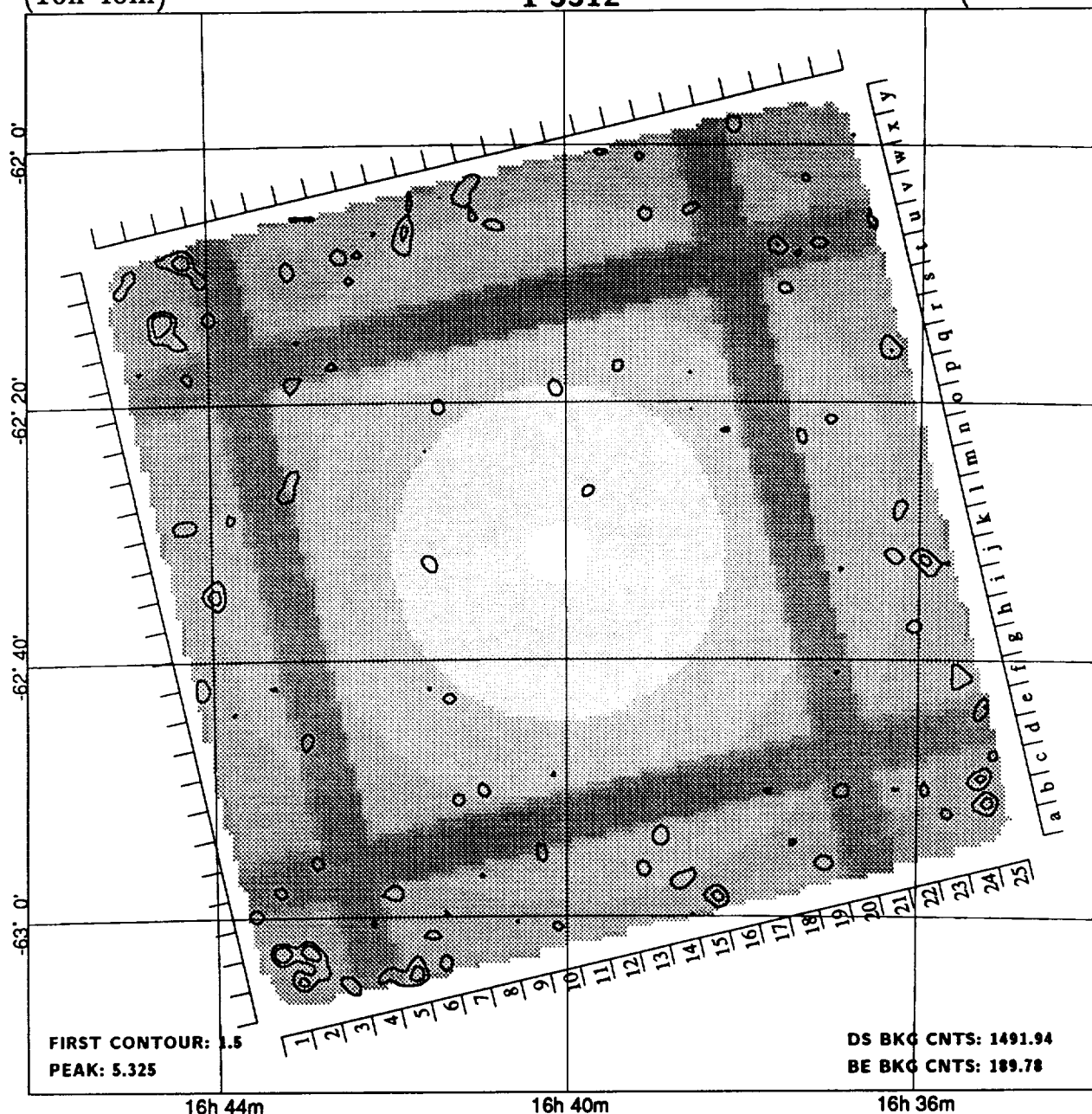
NH: $5.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3744	1L	16 38 47.1	00 35 59	34	0.060	0.011	50.2	14.8	5.2	1.2	0	0.1		S

(16h 40m)

I 3312

(16h 40m)



SYMBIOTIC STARS: HEN 1242

FIELD CENTER: $16^{\text{h}}40^{\text{m}}00.2^{\text{s}}$ $-62^{\circ}31'39''$ (B1950)
 $16^{\text{h}}44^{\text{m}}35.4^{\text{s}}$ $-62^{\circ}37'13''$ (J2000)
 $l: 326.41$ $b: -10.94$

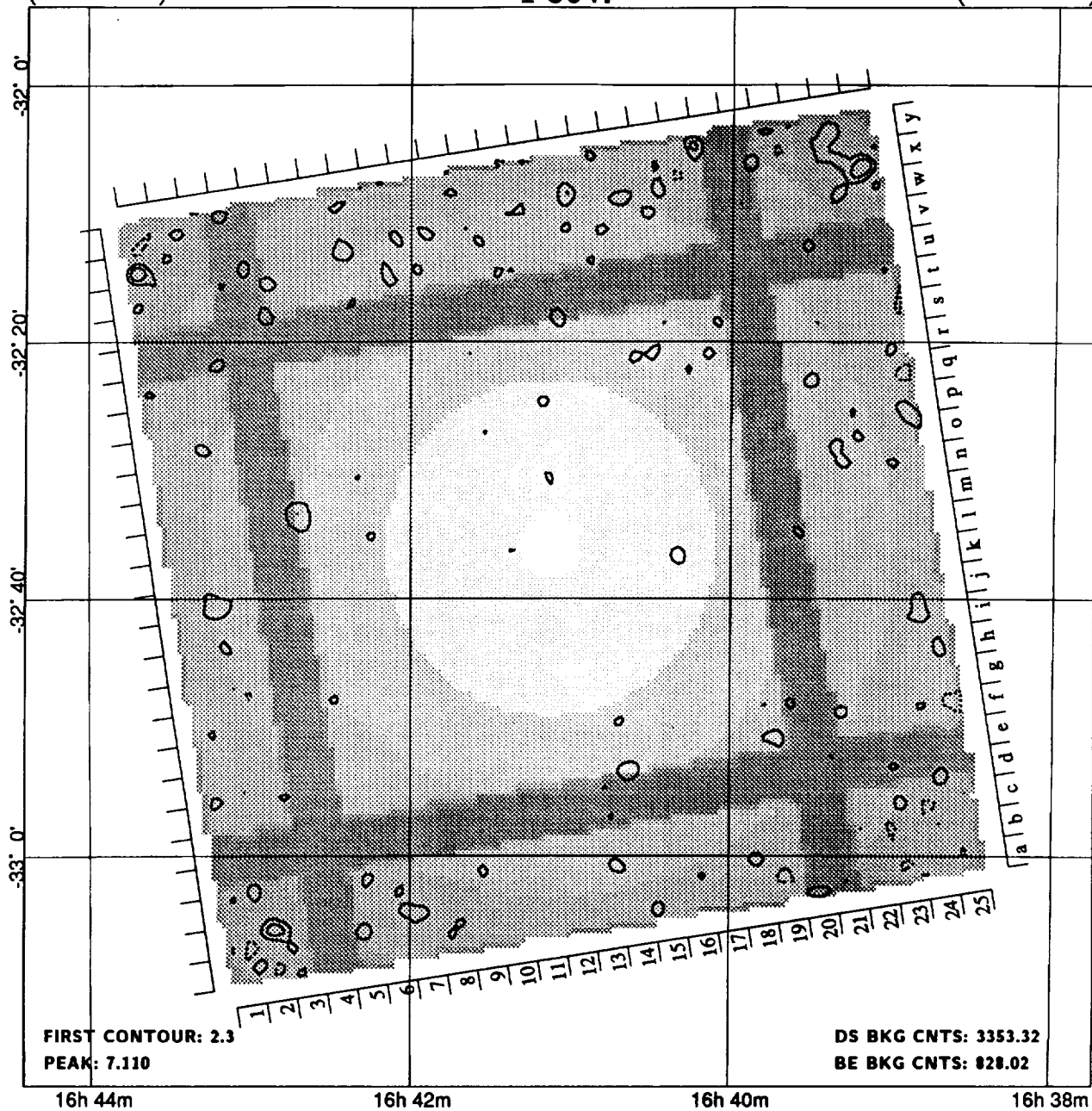
DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 1252.4s
 ROLL ANGLE: -103.0°

NH: $1.2\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

(16h 41m)

I 3647

(16h 41m)



FIELD CENTER: $16^{\text{h}}41^{\text{m}}04.7^{\text{s}}$ $-32^{\circ}35'59''$ (B1950)
 $16^{\text{h}}44^{\text{m}}18.8^{\text{s}}$ $-32^{\circ}41'31''$ (J2000)
 $l: 349.27$ $b: 8.52$

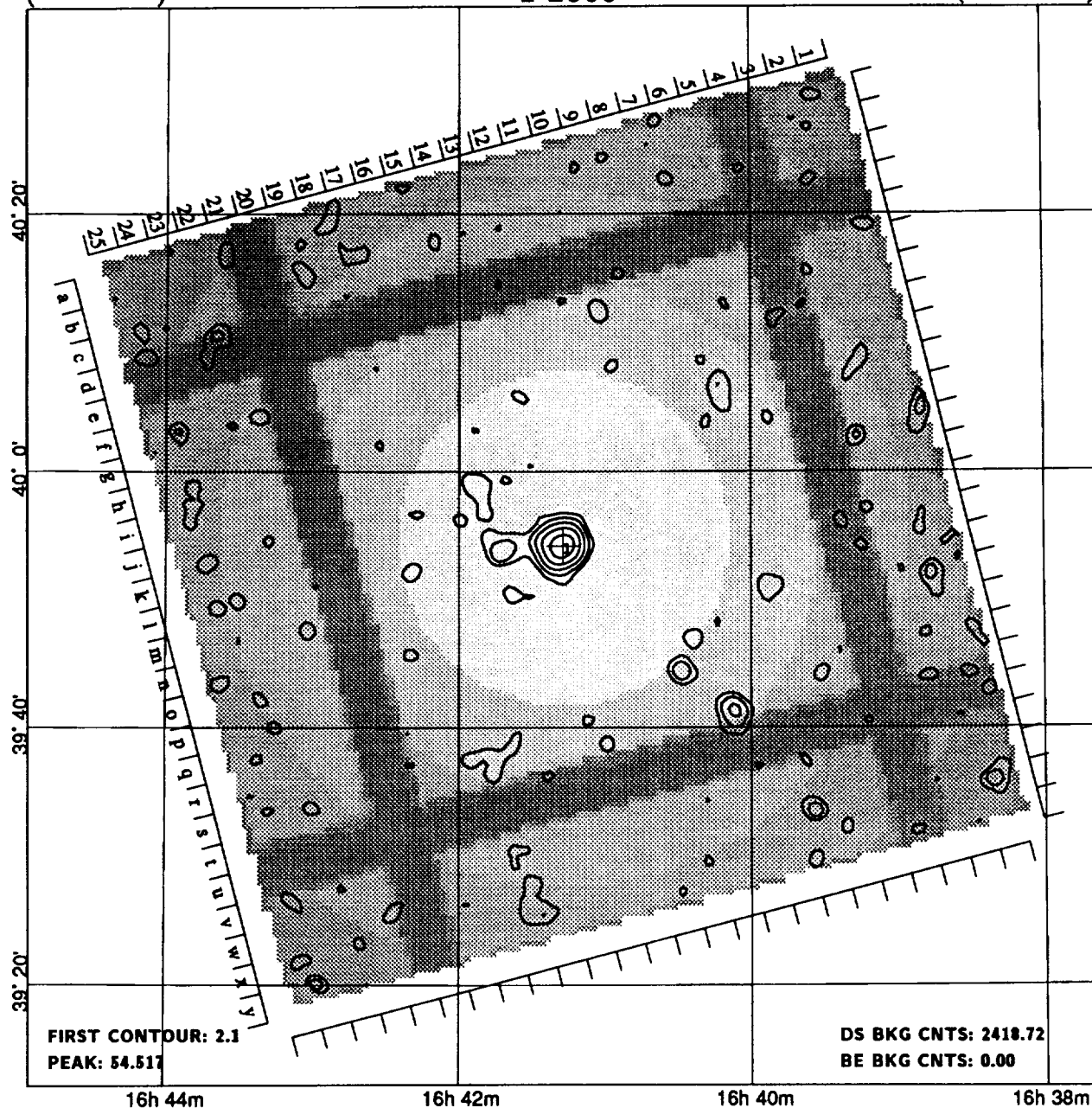
DATE: 1979/ 68 - 1979/ 68
 LIVETIME: 2717.3s
 ROLL ANGLE: -98.9°

NH: $2.0\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(16h 41m)

I 2060

(16h 41m)



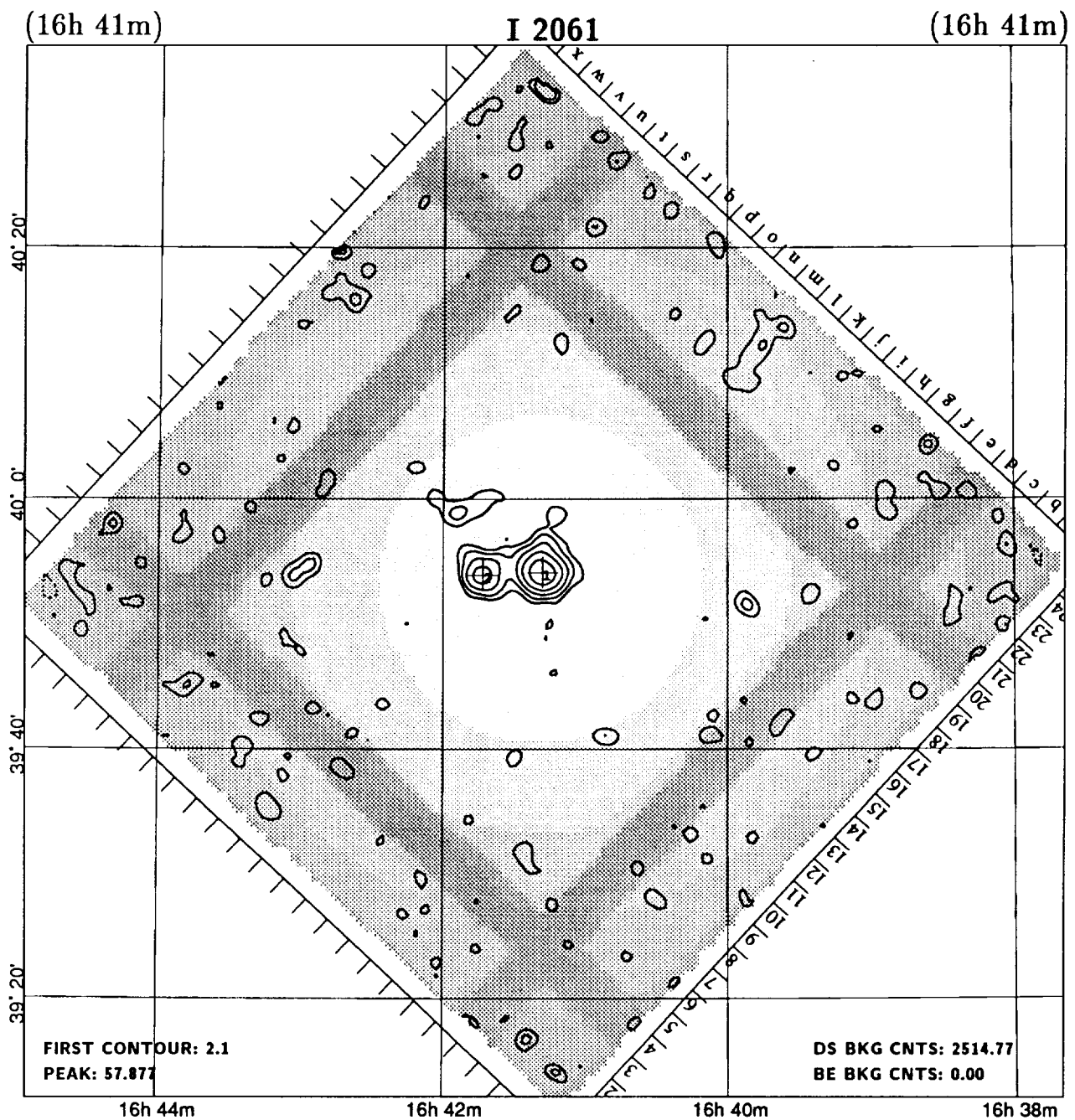
X-RAY STUDY OF QUASARS: 3CR345

FIELD CENTER: $16^h 41^m 17.5^s$ $39^\circ 54' 10''$ (B1950)
 $16^h 42^m 58.6^s$ $39^\circ 48' 37''$ (J2000)
 $l: 63.45$ $b: 40.95$

DATE: 1979/239 - 1979/239
 LIVETIME: 1960.0s
 ROLL ANGLE: 75.4°

NH: $1.0E+20$
 REF/ID: I
 FIELD FLAGS: CLS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3752	1L	16 41 17.3	39 54 16	31	0.142	0.012	207.3	26.7	11.8	1.3	0	0.1	A	Q



X-RAY STUDY OF QUASARS: 3CR345

FIELD CENTER: $16^{\text{h}}41^{\text{m}}17.5^{\text{s}}$ $39^{\circ}54'10''$ (B1950)
 $16^{\text{h}}42^{\text{m}}58.6^{\text{s}}$ $39^{\circ}48'37''$ (J2000)
 $l: 63.45$ $b: 40.95$

DATE: 1980/ 24 - 1980/ 24
LIVETIME: 2037.8s
ROLL ANGLE: -137.1°

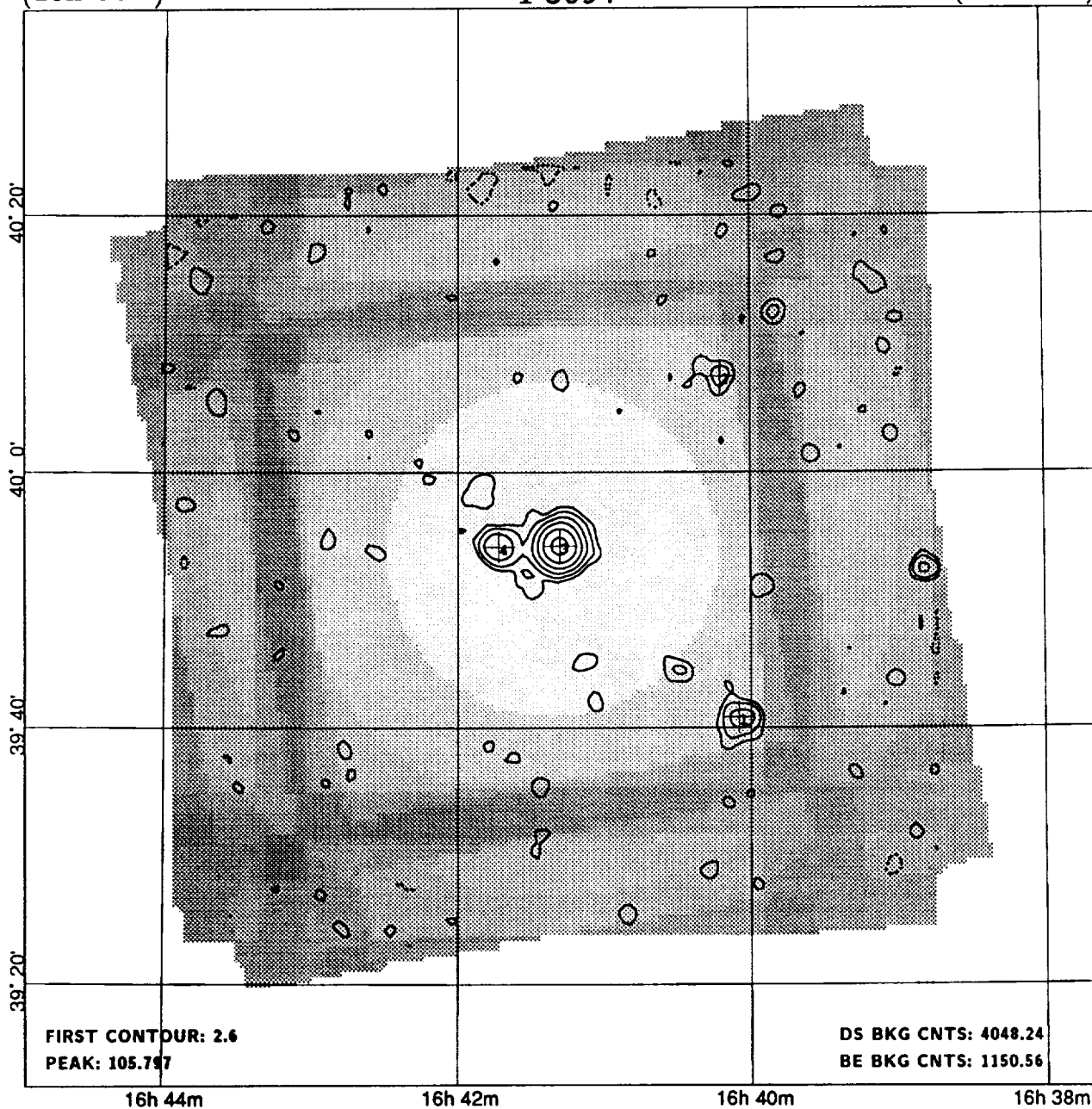
NH: 1.0E+20
REF/ID: !
FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3752	1L	16 41 18.0	39 54 08	31	0.135	0.012	205.4	42.6	11.2	1.8	0	0.2	A	Q
3755	2L	16 41 43.3	39 53 55	38	0.0532	0.0079	77.8	21.2	6.6	4.7	0	5.1	A	AGN

(16h 41m)

I 5694

(16h 41m)



3C 345: STUDY OF VARIABILITY

FIELD CENTER: $16^{\text{h}}41^{\text{m}}17.9^{\text{s}}$ $39^{\circ}54'10''$ (B1950)
 $16^{\text{h}}42^{\text{m}}59.1^{\text{s}}$ $39^{\circ}48'37''$ (J2000)
 $l: 63.46$ $b: 40.95$

DATE: 1980/ 43 - 1980/ 65
 LIVETIME: 3280.4s

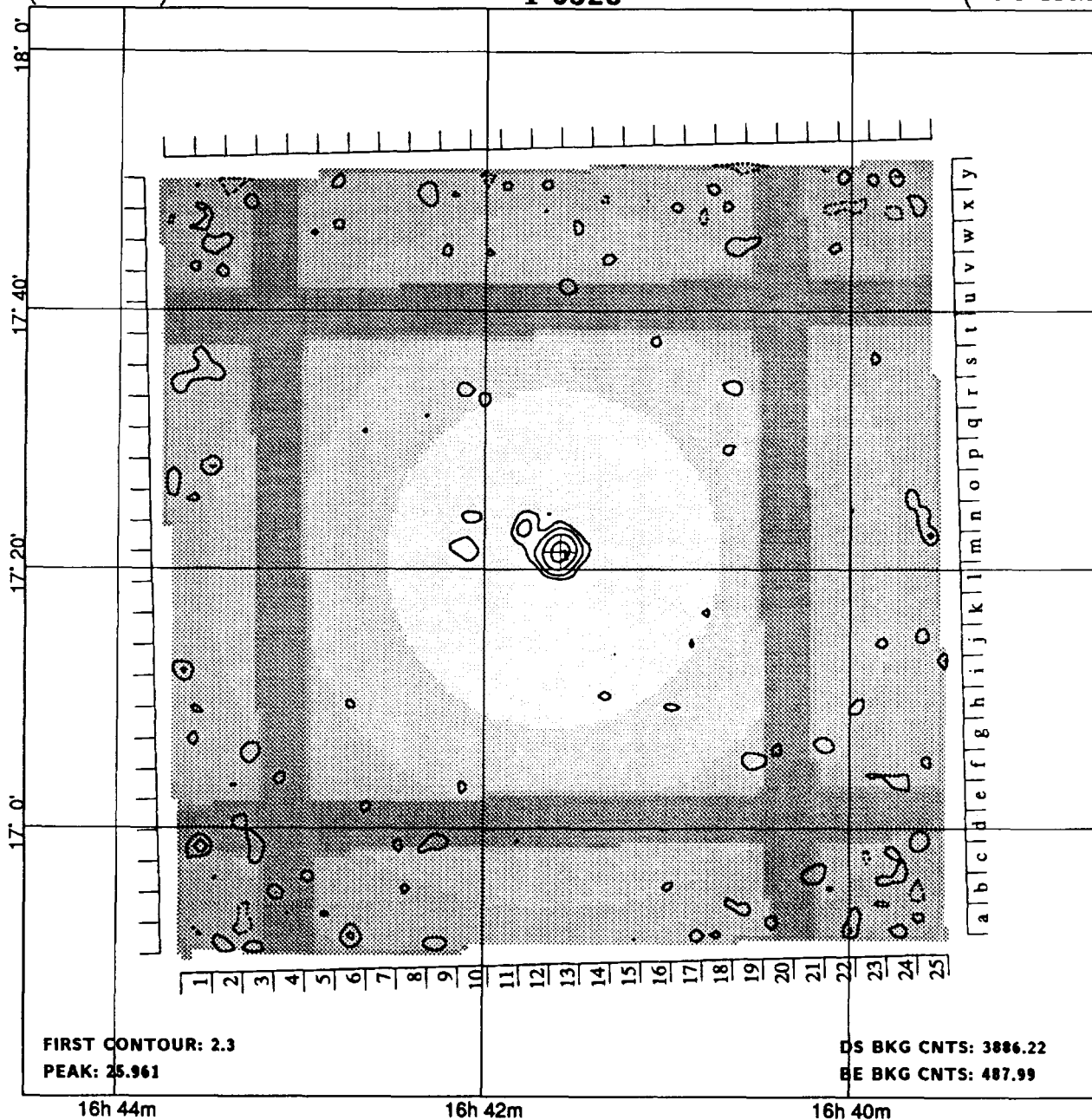
NH: $1.0\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3746	1	16 40 04.9	39 40 49	50	0.0258	0.0043	44.0	10.0	6.0	1.1	0	19.0	H	Q
3748	2	16 40 12.4	40 07 28	55	0.0112	0.0031	19.4	9.6	3.6	0.9	500	18.3	H	Q
3752	3	16 41 18.2	39 54 19	31	0.1868	0.0089	456.5	13.5	21.1	1.5	0	0.2	AH	Q
3755	4	16 41 43.3	39 54 14	32	0.0338	0.0041	79.9	13.1	8.3	8.0	0	4.9	AH	AGN

(16h 41m)

I 6328

(16h 41m)



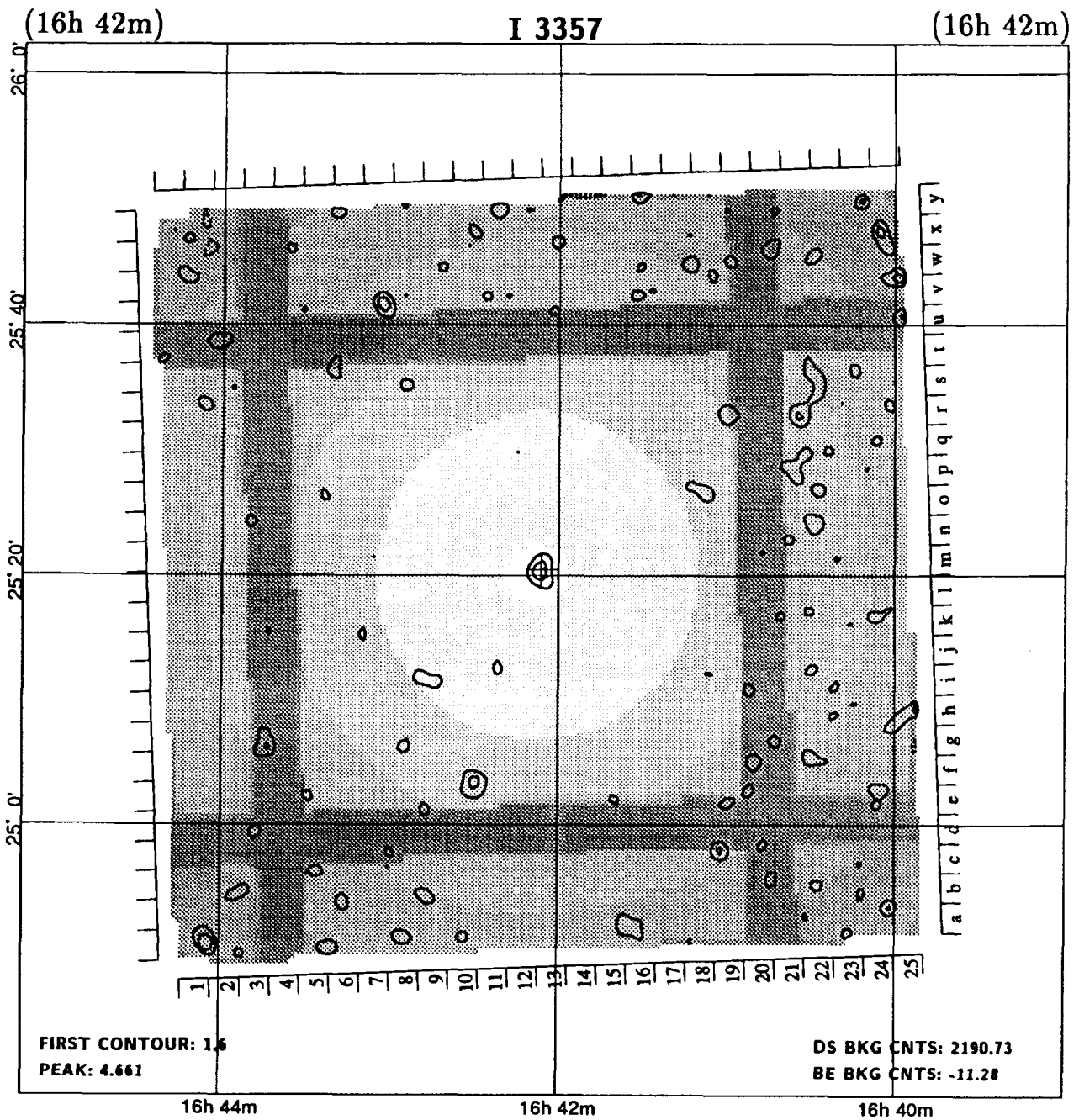
3CR 346, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: $16^{\text{h}}41^{\text{m}}34.6^{\text{s}}$ $17^{\circ}21'18''$ (B1950)
 $16^{\text{h}}43^{\text{m}}48.7^{\text{s}}$ $17^{\circ}15'47''$ (J2000)
 $l: 35.33$ $b: 35.77$

DATE: 1980/ 69 - 1980/ 69
 LIVETIME: 3149.1s
 ROLL ANGLE: -91.5°

NH: $5.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3754	1	16 41 34.8	17 21 19	31	0.0450	0.0046	105.7	11.3	9.8	1.3	0	0.2	H	G



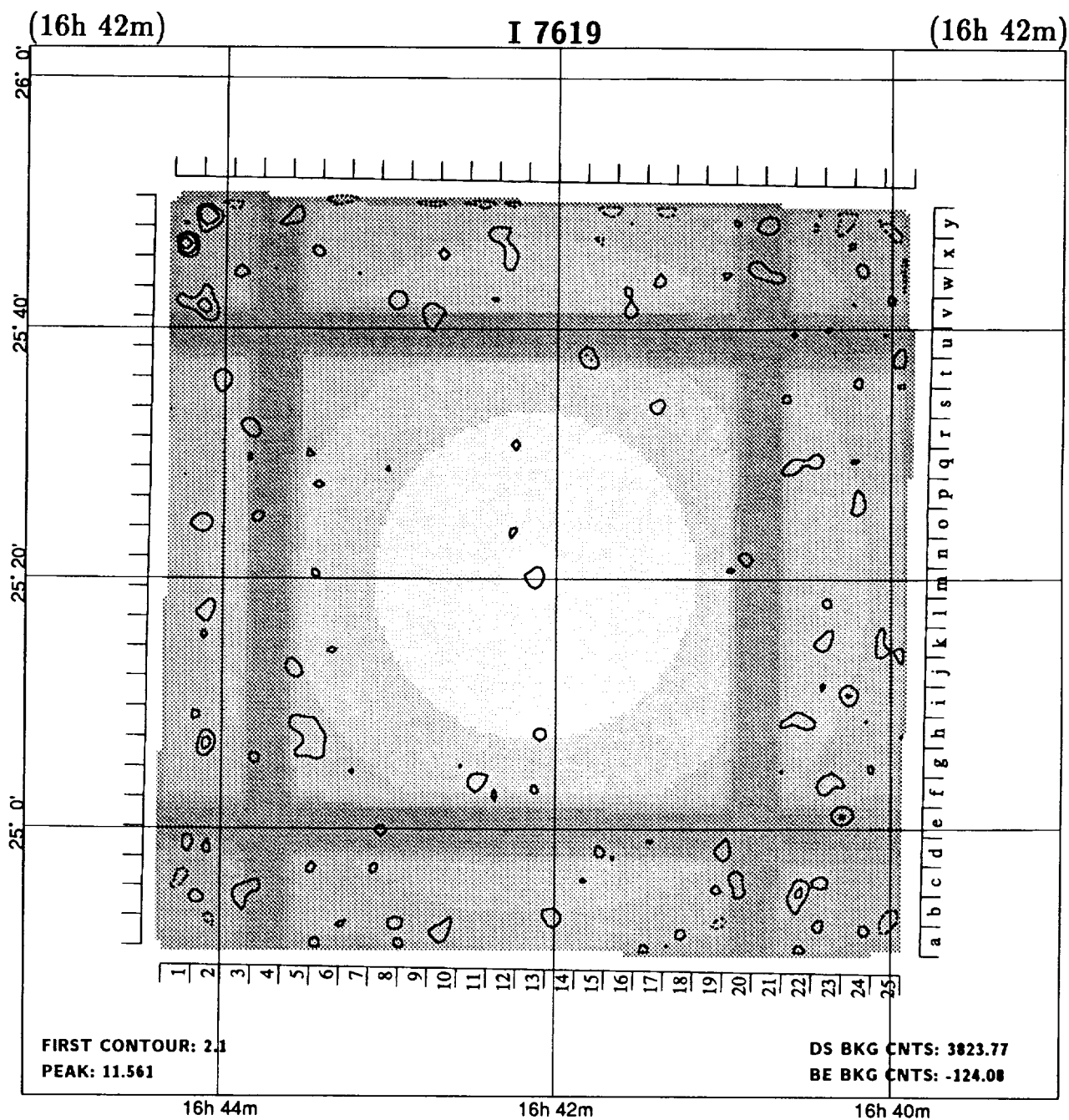
DWARF NOVAE: AH HER

FIELD CENTER: $16^h 42^m 04.8^s$ $25^\circ 20' 27''$ (B1950)
 $16^h 44^m 08.7^s$ $25^\circ 14' 57''$ (J2000)
 $l: 44.85$ $b: 38.24$

DATE: 1979/ 66 - 1979/ 66
 LIVETIME: 1775.2s
 ROLL ANGLE: -92.1°

NH: $4.3E+20$
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3756	1	16 42 06.2	25 20 28	37	0.0127	0.0035	16.8	5.2	3.6	0.7	0	0.7	H	CV



FIELD CENTER: $16^h 42^m 05.0^s$ $25^\circ 20' 29''$ (B1950)
 $16^h 44^m 08.9^s$ $25^\circ 15' 00''$ (J2000)
 $l: 44.85$ $b: 38.24$

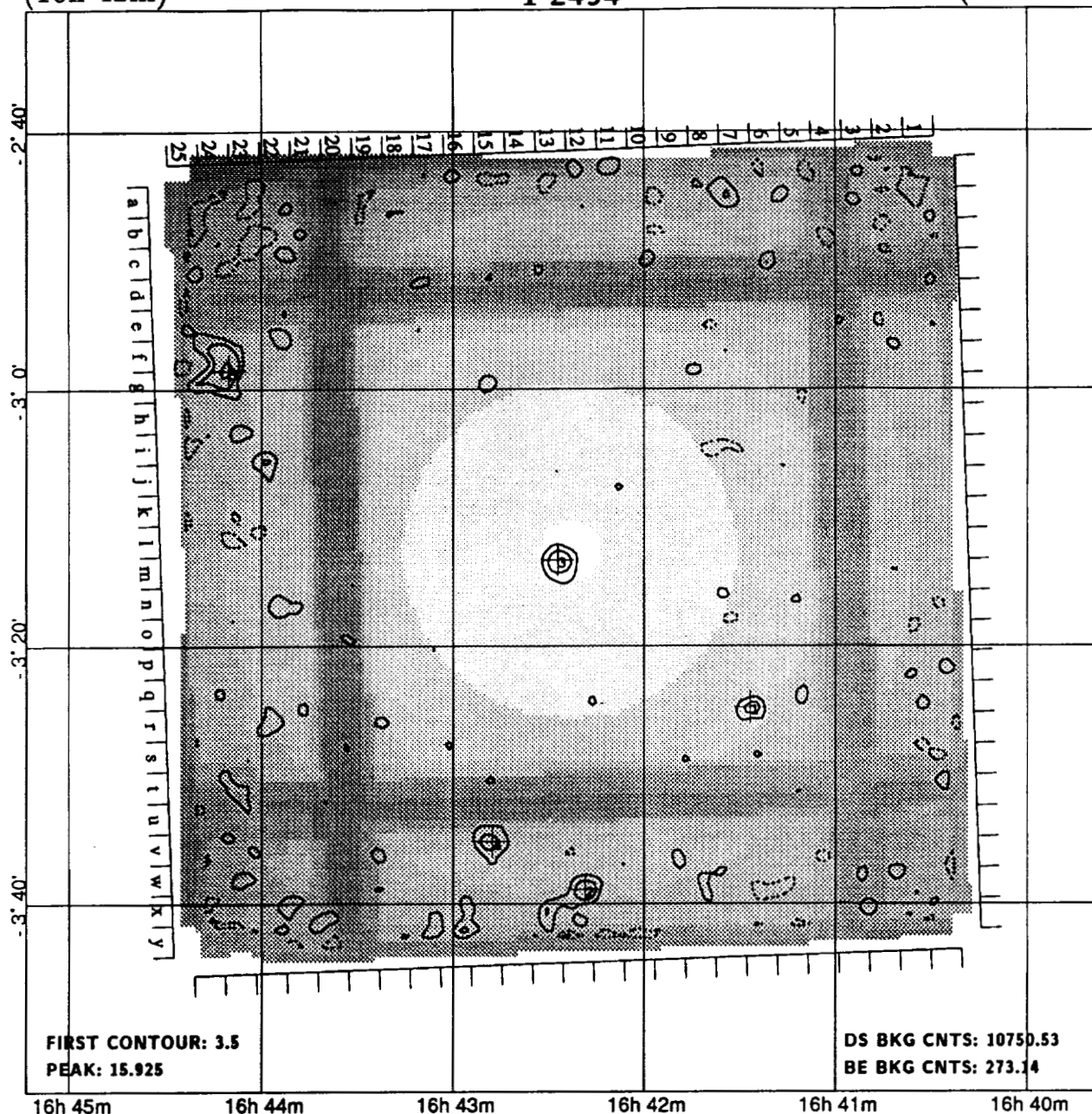
DATE: 1980/ 69 - 1980/ 71
 LIVETIME: 3098.5s
 ROLL ANGLE: -89.3°

NH: $4.3E+20$
 REF/ID: CV
 FIELD FLAGS:

(16h 42m)

I 2494

(16h 42m)



1642-03K: SURVEY OF NEARBY RADIO PULSARS

FIELD CENTER: $16^h 42^m 25.0^s$ $-03^\circ 12' 30''$ (B1950)
 $16^h 45^m 02.3^s$ $-03^\circ 17' 58''$ (J2000)
 $l: 14.11$ $b: 26.06$

DATE: 1979/251 - 1979/252
 LIVETIME: 8711.4s
 ROLL ANGLE: 88.0°

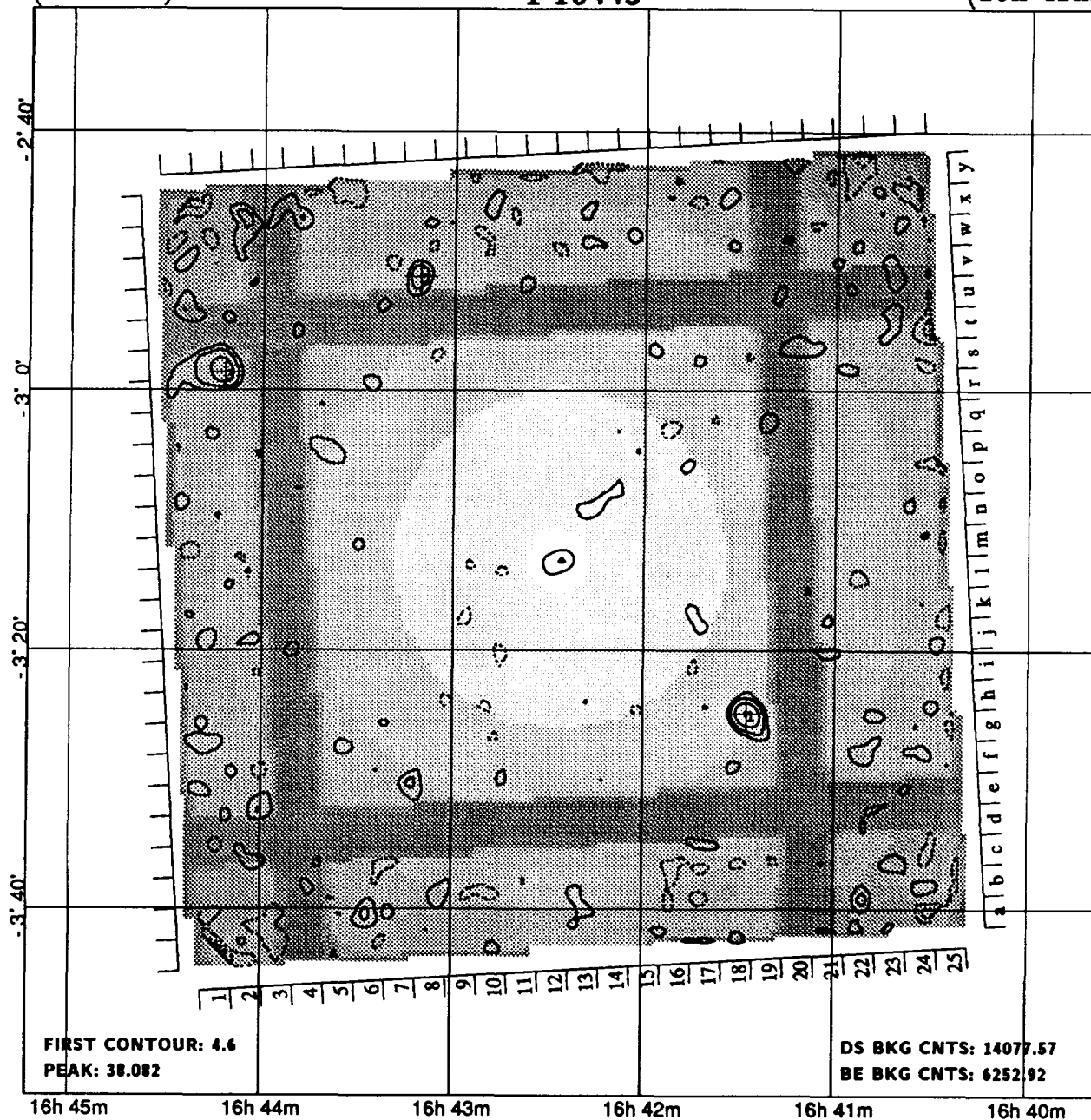
NH: $9.2E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3753	1	16 41 26.7	-03 24 43	53	0.0053	0.0015	24.8	21.2	3.7	0.6	0	18.9	A
3757	2	16 42 18.5	-03 38 51	55	0.0067	0.0018	24.1	18.9	3.7	1.1	0	26.3	H
3758	3	16 42 27.1	-03 13 10	35	0.0064	0.0013	41.7	28.3	5.0	0.8	0	0.8	H
3759	4	16 42 47.6	-03 35 06	59	*0.0065	0.0016	26.2	15.8	4.0	0.8	601	23.2	H
3761	5	16 44 10.2	-02 58 33	53	0.0095	0.0023	28.8	19.2	4.2	1.4	0	30.0	AH

(16h 42m)

I 10443

(16h 42m)



FIELD CENTER: $16^h 42^m 25.0^s$ $-03^\circ 12' 30''$ (B1950)
 $16^h 45^m 02.3^s$ $-03^\circ 17' 58''$ (J2000)
 $l: 14.11$ $b: 26.06$

DATE: 1981/ 73 - 1981/ 74
 LIVETIME: 11407.5s
 ROLL ANGLE: -93.3°

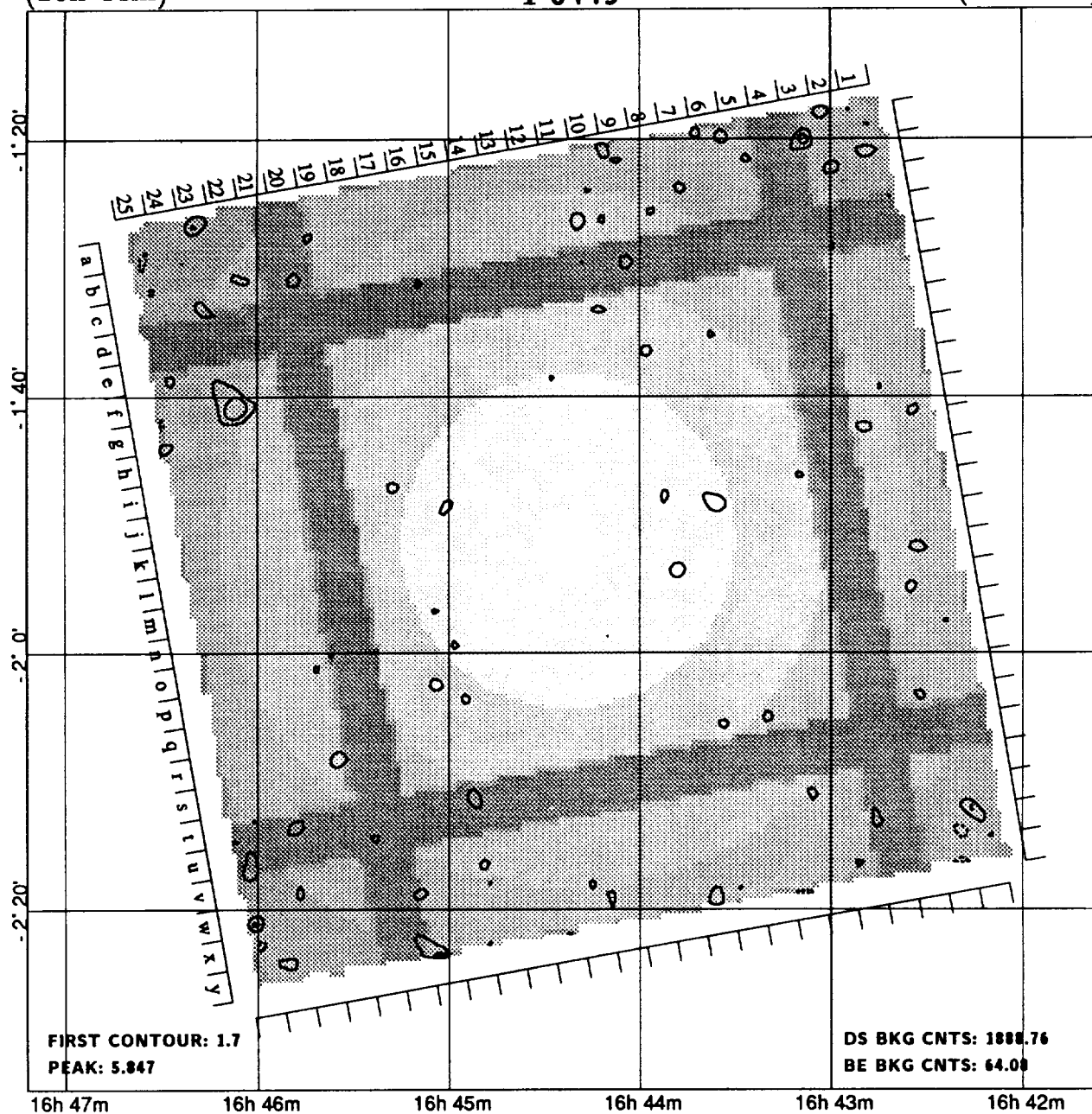
NH: $9.2E+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3753	1L	16 41 27.5	-03 24 52	48	0.0168	0.0023	101.4	35.6	7.2	0.9	100	19.0	A
3760	2L	16 43 10.7	-02 51 09	53	0.0077	0.0018	38.4	17.6	4.0	0.7	500	24.1	
3761	3L	16 44 12.0	-02 58 37	51	0.0139	0.0031	55.1	33.9	4.3	1.3	800	30.1	A

(16h 44m)

I 6449

(16h 44m)

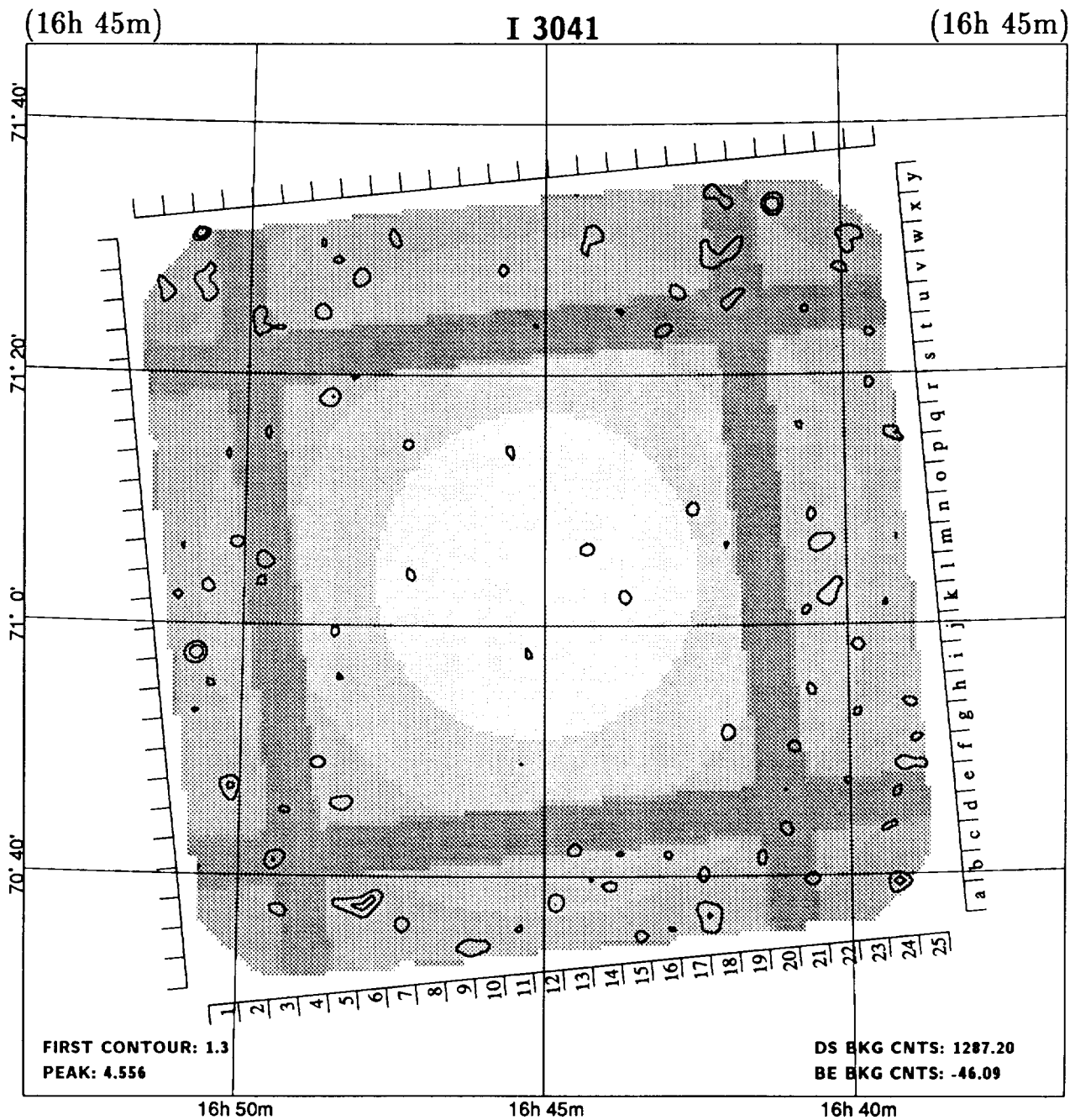


NGC 6218, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $16^{\text{h}}44^{\text{m}}23.9^{\text{s}}$ $-01^{\circ}51'59''$ (B1950)
 $16^{\text{h}}46^{\text{m}}59.7^{\text{s}}$ $-01^{\circ}57'19''$ (J2000)
 l : 15.67 b : 26.36

DATE: 1980/240 - 1980/240
 LIVETIME: 1530.5s
 ROLL ANGLE: 80.1°

NH: $7.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:



4C71.16: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: $16^h 45^m 01.0^s$ $71^\circ 04' 29''$ (B1950)
 $16^h 44^m 30.8^s$ $70^\circ 59' 06''$ (J2000)
 $l: 102.98$ $b: 35.70$

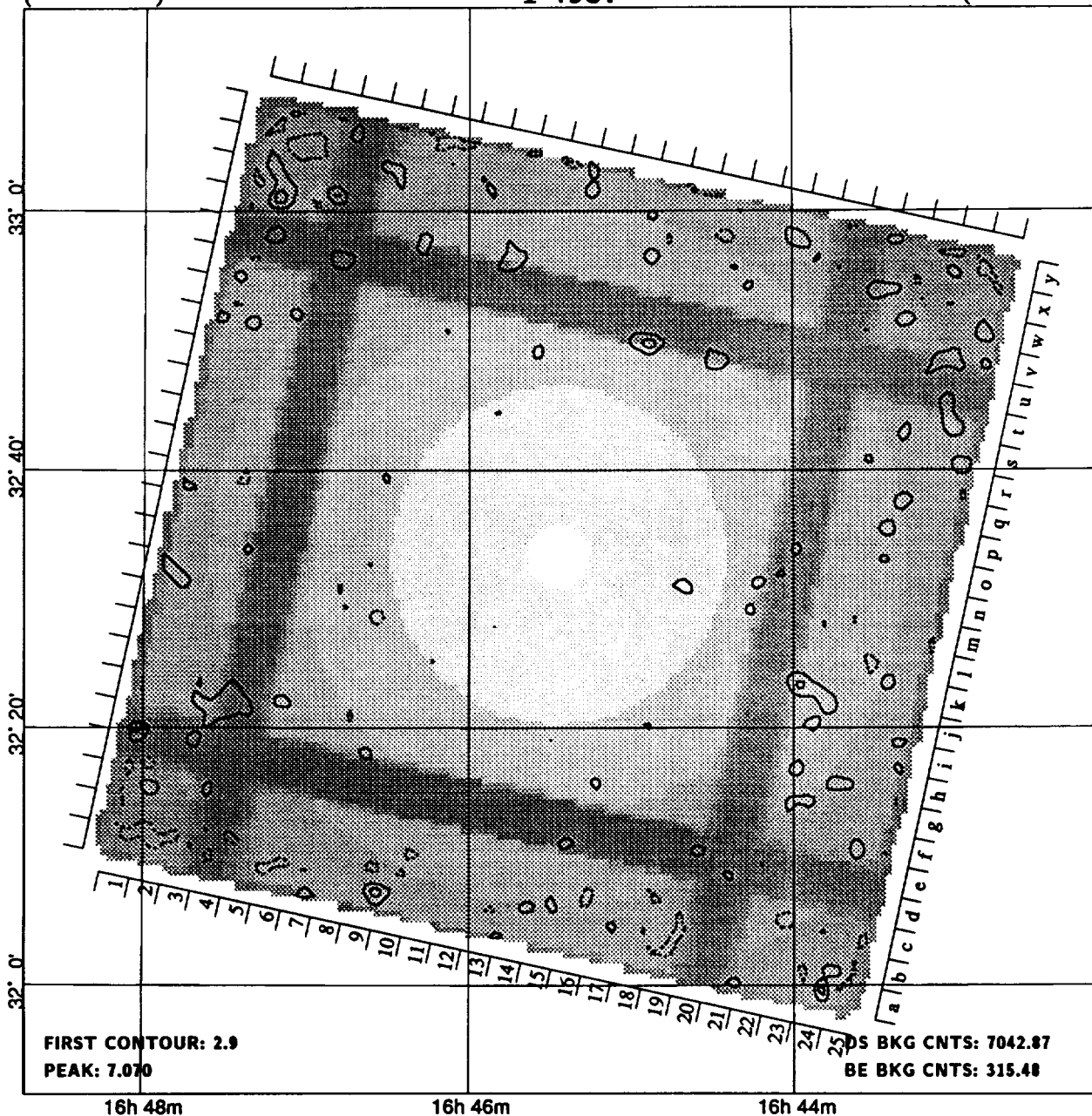
DATE: 1979/ 57 - 1979/ 57
 LIVETIME: 1043.1s
 ROLL ANGLE: -95.6°

NH: $4.6E+20$
 REF/ID:
 FIELD FLAGS:

(16h 45m)

I 4937

(16h 45m)



EG239: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $16^{\text{h}}45^{\text{m}}25.0^{\text{s}}$ $32^{\circ}33'41''$ (B1950)
 $16^{\text{h}}47^{\text{m}}18.3^{\text{s}}$ $32^{\circ}28'25''$ (J2000)
 ℓ : 54.07 b : 39.19

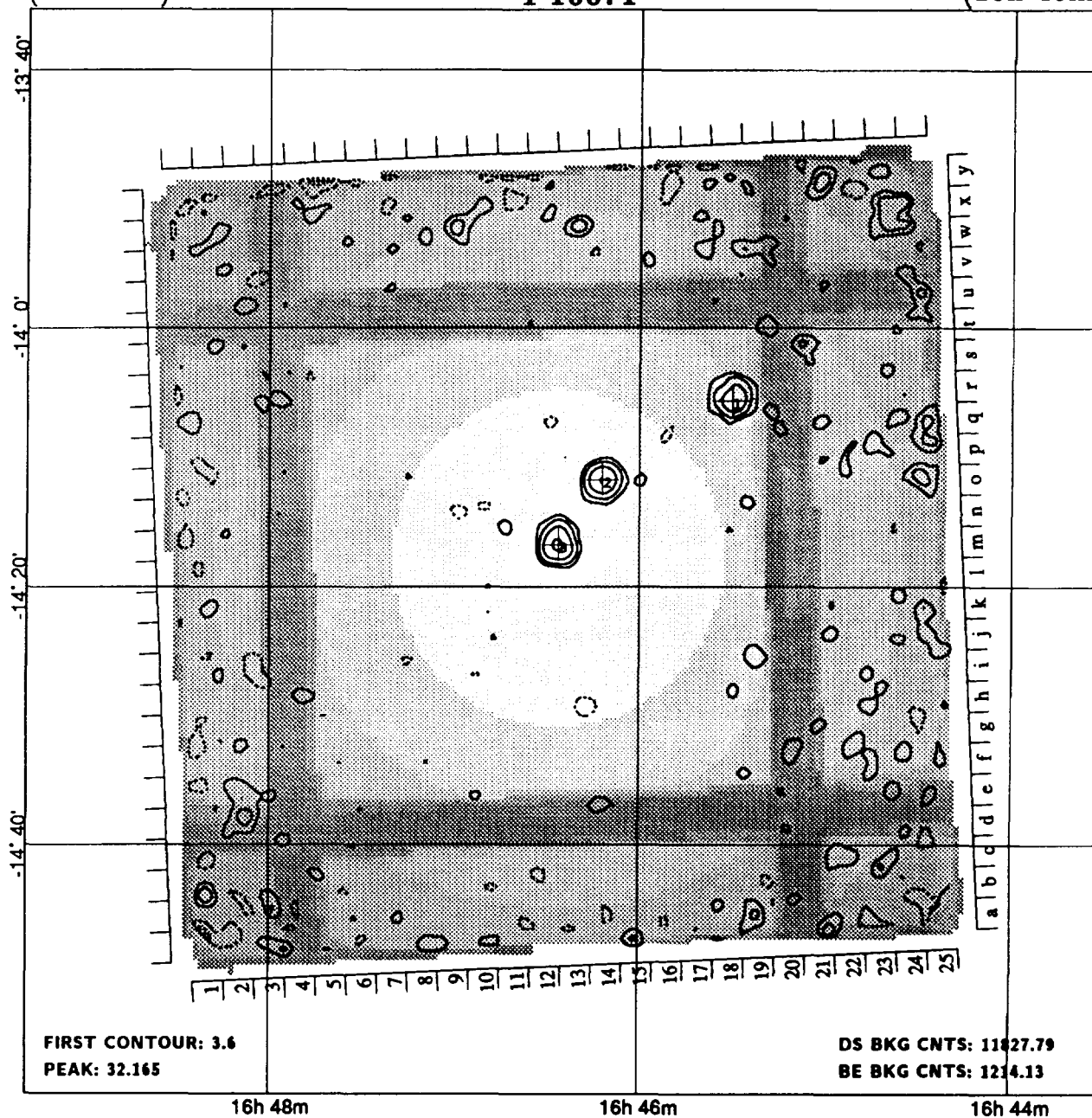
DATE: 1980/ 70 - 1980/ 71
 LIVETIME: 5912.0s
 ROLL ANGLE: -77.8°

NH: $2.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 46m)

I 10071

(16h 46m)



AS 209: Spectra of 3 T Tauri stars

FIELD CENTER: $16^{\text{h}}46^{\text{m}}25.0^{\text{s}}$ $-14^{\circ}17'22''$ (B1950)
 $16^{\text{h}}49^{\text{m}}15.0^{\text{s}}$ $-14^{\circ}22'33''$ (J2000)
 $l: 4.93$ $b: 18.96$

DATE: 1981/ 43 - 1981/ 43
 LIVETIME: 9584.4s
 ROLL ANGLE: -92.5°

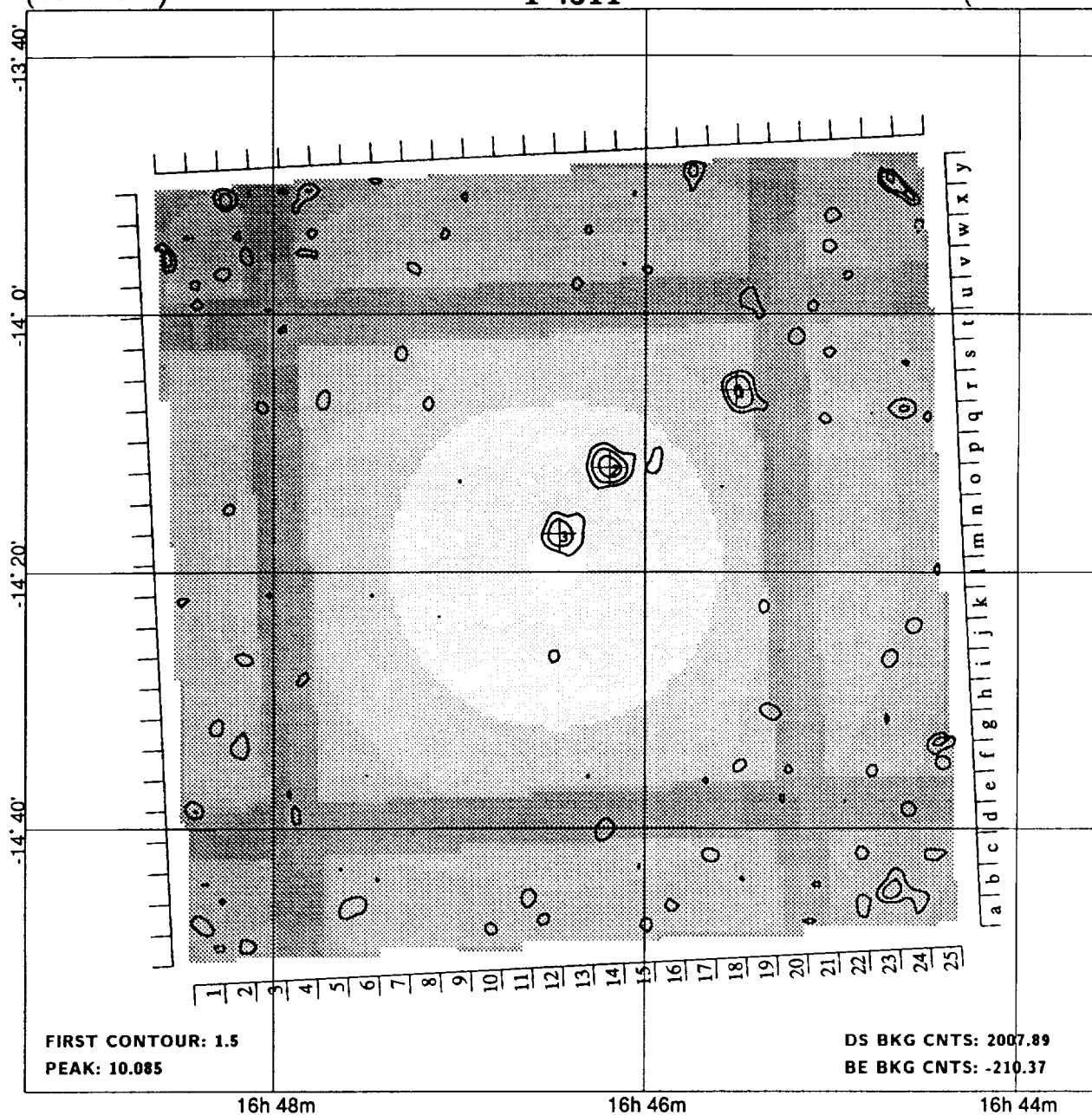
NH: $1.5\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3762	1	16 45 30.0	-14 05 37	50	0.0137	0.0019	70.8	24.2	7.3	1.1	0	17.7	AH
3763	2	16 46 12.1	-14 11 44	38	0.0168	0.0018	112.5	27.5	9.5	1.0	0	6.5	AH
3764	3	16 46 26.2	-14 16 43	31	0.0201	0.0019	143.4	30.6	10.9	1.0	0	0.8	AH

(16h 46m)

I 4511

(16h 46m)



T TAURI STARS: AS 209

FIELD CENTER: $16^h 46^m 26.0^s$ $-14^\circ 18' 21''$ (B1950)
 $16^h 49^m 16.0^s$ $-14^\circ 23' 32''$ (J2000)
 $l: 4.82$ $b: 18.95$

DATE: 1980/ 49 - 1980/ 49
 LIVETIME: 1627.1s
 ROLL ANGLE: -92.8°

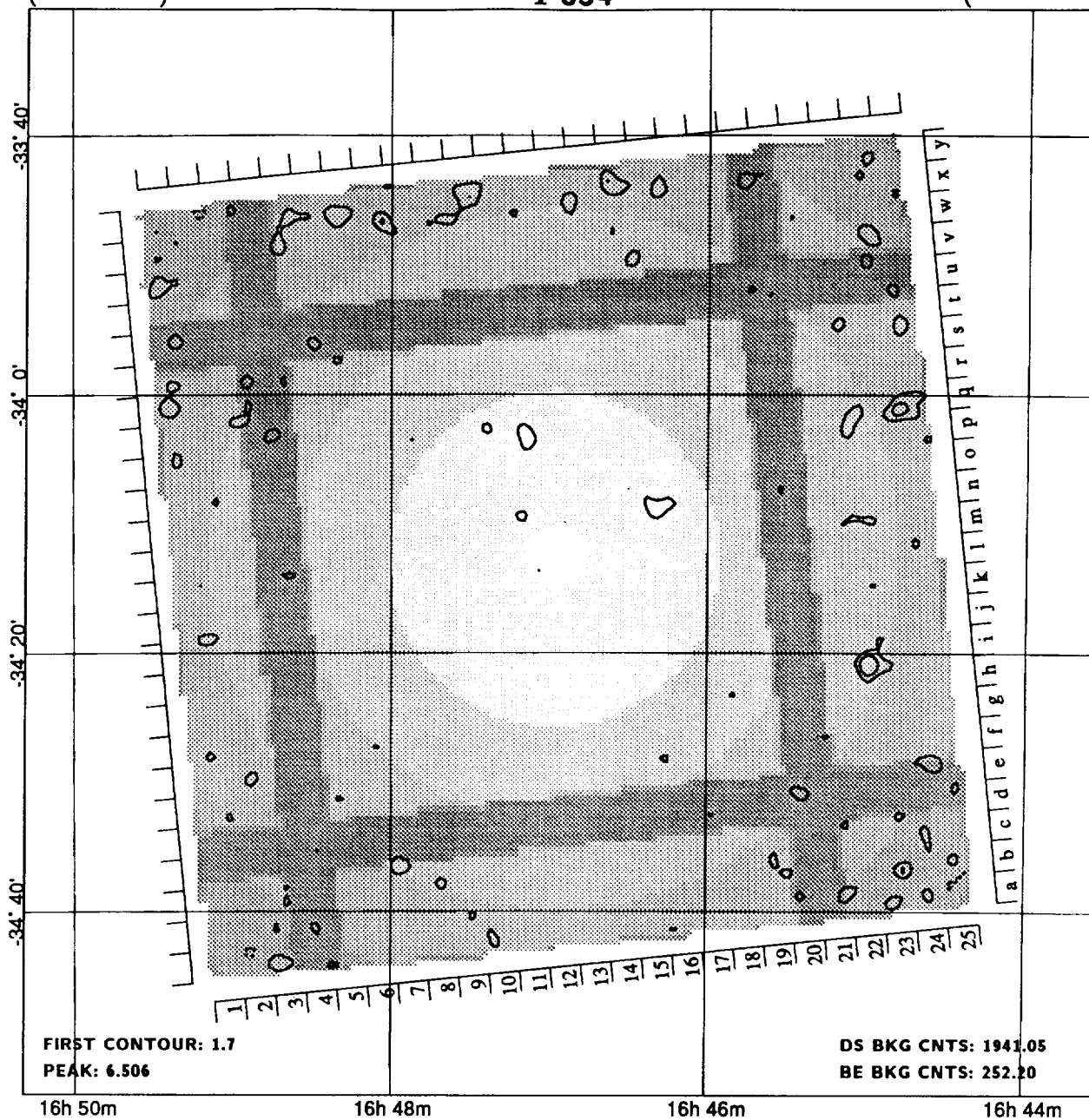
NH: $1.5E+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3762	1	16 45 30.8	-14 05 53	53	0.0199	0.0053	17.0	3.0	3.8	0.9	500	18.1	AH	
3763	2	16 46 11.5	-14 11 53	41	0.0308	0.0055	34.2	3.8	5.6	1.0	0	7.6	AH	
3764	3	16 46 27.7	-14 17 00	36	0.0180	0.0042	21.6	4.4	4.2	1.0	0	1.9	AH	

(16h 46m)

I 854

(16h 46m)

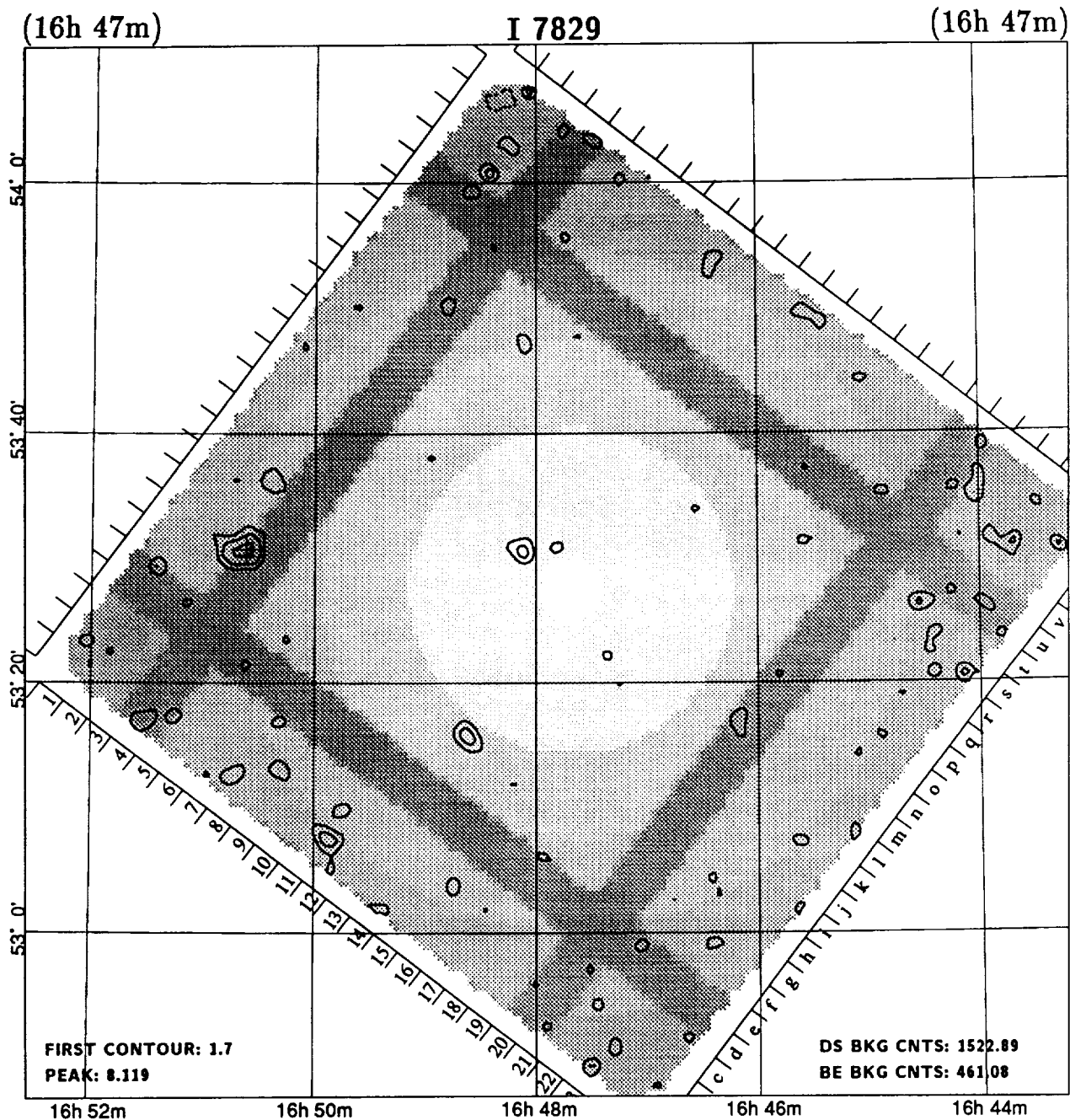


EPSILON SCO STELLAR OBSERVATIONS, K STARS

FIELD CENTER: $16^{\text{h}}46^{\text{m}}55.1^{\text{s}}$ $-34^{\circ}12'15''$ (B1950)
 $16^{\text{h}}50^{\text{m}}12.1^{\text{s}}$ $-34^{\circ}17'23''$ (J2000)
 $l: 348.82$ $b: 6.56$

DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 1572.9s
 ROLL ANGLE: -95.8°

NH: $2.6\text{E}+21$
 REF/ID: !
 FIELD FLAGS:



A 330, COMPACT V-V GROUPS OF GALAXIES

FIELD CENTER: $16^h 47^m 54.0^s$ $53^\circ 28' 59''$ (B1950)
 $16^h 49^m 02.0^s$ $53^\circ 23' 52''$ (J2000)
 $l: 81.23$ $b: 39.51$

DATE: 1980/103 - 1980/103
 LIVETIME: 1234.0s
 ROLL ANGLE: -52.8°

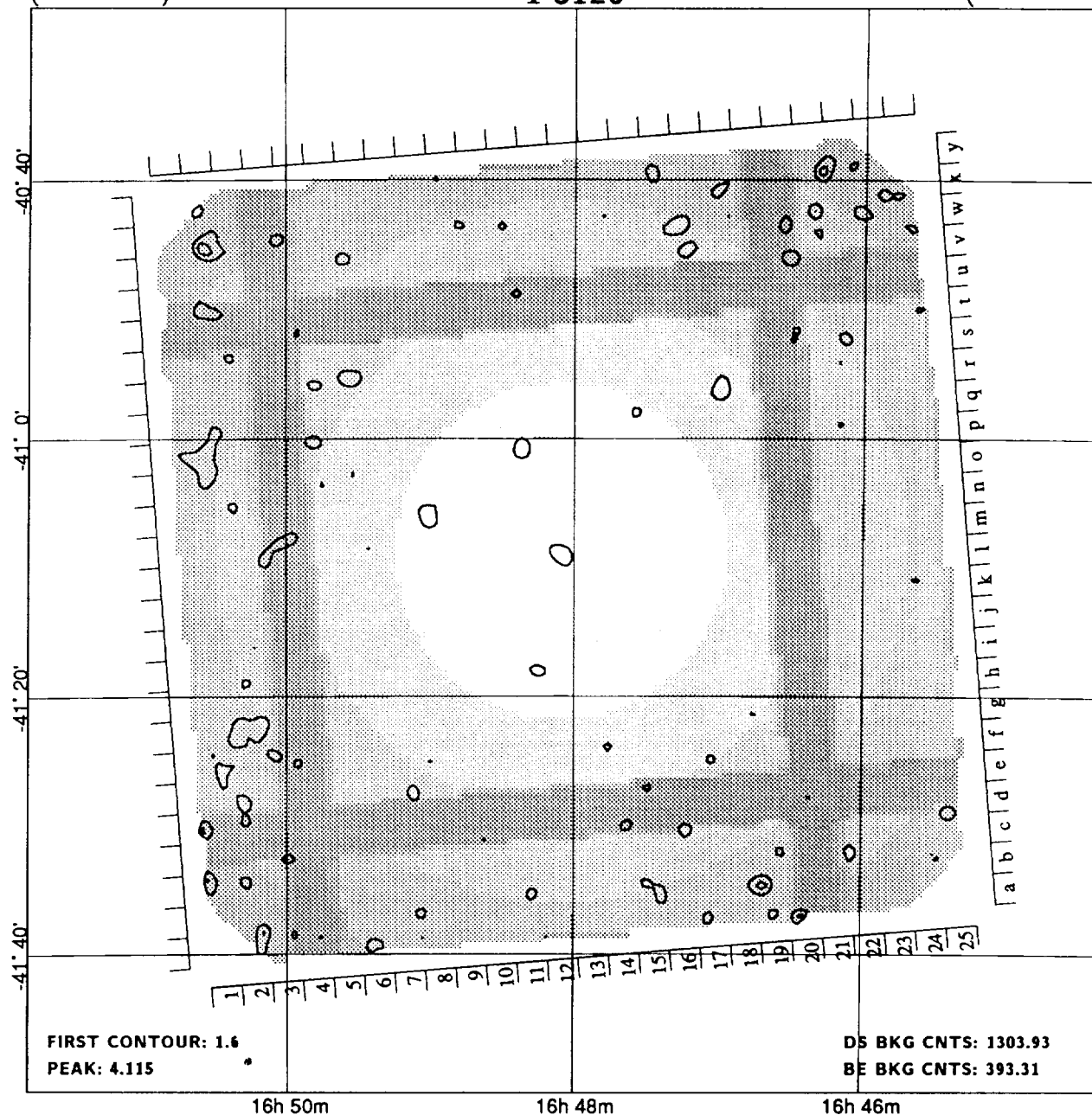
NH: $2.8E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3778	1	16 50 37.0	53 30 44	55	*0.0353	0.0089	17.7	2.3	3.9	1.1	1007	24.2	H	

(16h 48m)

I 3126

(16h 48m)



CORONAL EMISSION FROM OB SUPERGIANTS: HD 151804

FIELD CENTER: $16^h 48^m 03.9^s$ $-41^\circ 08' 47''$ (B1950)
 $16^h 51^m 33.4^s$ $-41^\circ 13' 49''$ (J2000)
 $l: 343.61$ $b: 1.94$

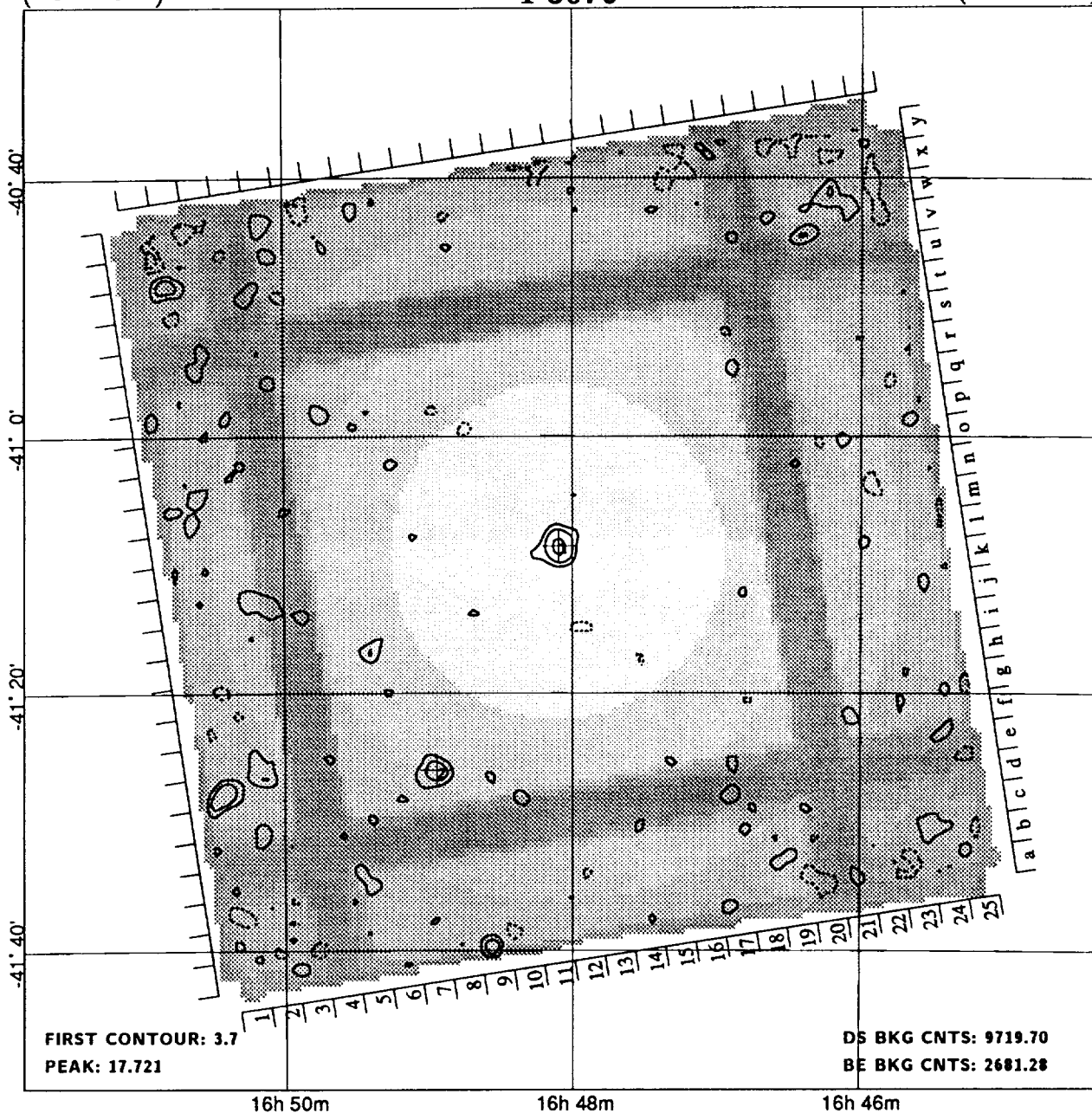
DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 1056.6s
 ROLL ANGLE: -94.6°

NH: $5.3E+21$
 REF/ID:
 FIELD FLAGS: L

(16h 48m)

I 5076

(16h 48m)



HD 151804, LUMINOUS EARLY-TYPE STAR

FIELD CENTER: $16^{\text{h}}48^{\text{m}}04.1^{\text{s}}$ $-41^{\circ}08'47''$ (B1950)
 $16^{\text{h}}51^{\text{m}}33.6^{\text{s}}$ $-41^{\circ}13'49''$ (J2000)
 $l: 343.62$ $b: 1.94$

DATE: 1980/ 73 - 1980/ 73
 LIVETIME: 8159.0s
 ROLL ANGLE: -98.7°

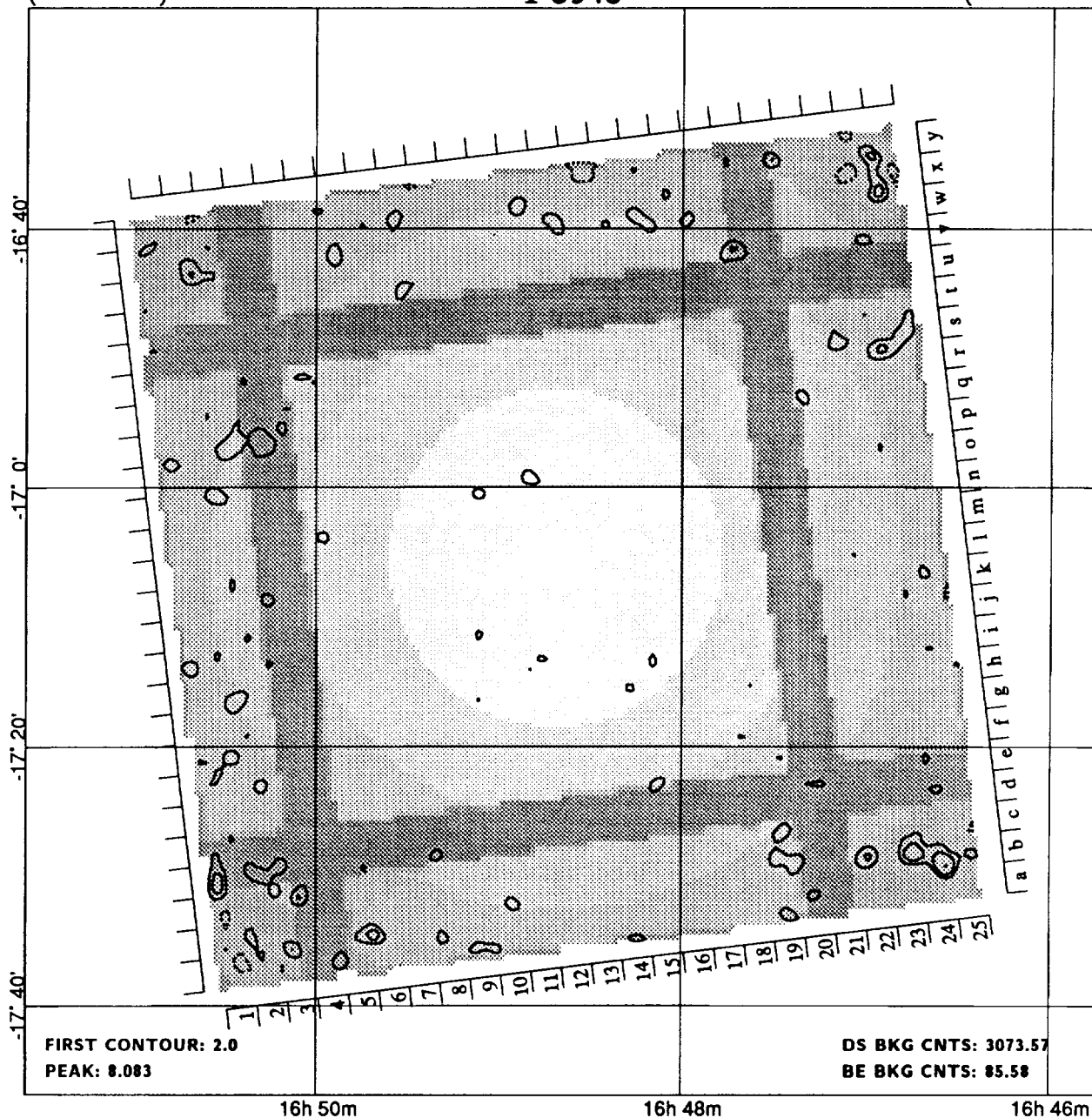
NH: $5.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3768	1	16 48 05.7	-41 08 33	35	0.0124	0.0017	75.4	30.6	7.3	0.9	0	0.4	H	S
3772	2	16 48 56.7	-41 25 58	51	0.0075	0.0018	32.0	26.0	4.2	0.7	0	19.8	H	

(16h 48m)

I 5943

(16h 48m)



RADIO PULSAR PROJECT:

FIELD CENTER: $16^{\text{h}}48^{\text{m}}38.9^{\text{s}}$ $-17^{\circ}04'59''$ (B1950)
 $16^{\text{h}}51^{\text{m}}32.3^{\text{s}}$ $-17^{\circ}10'00''$ (J2000)
 ℓ : 2.80 b : 16.87

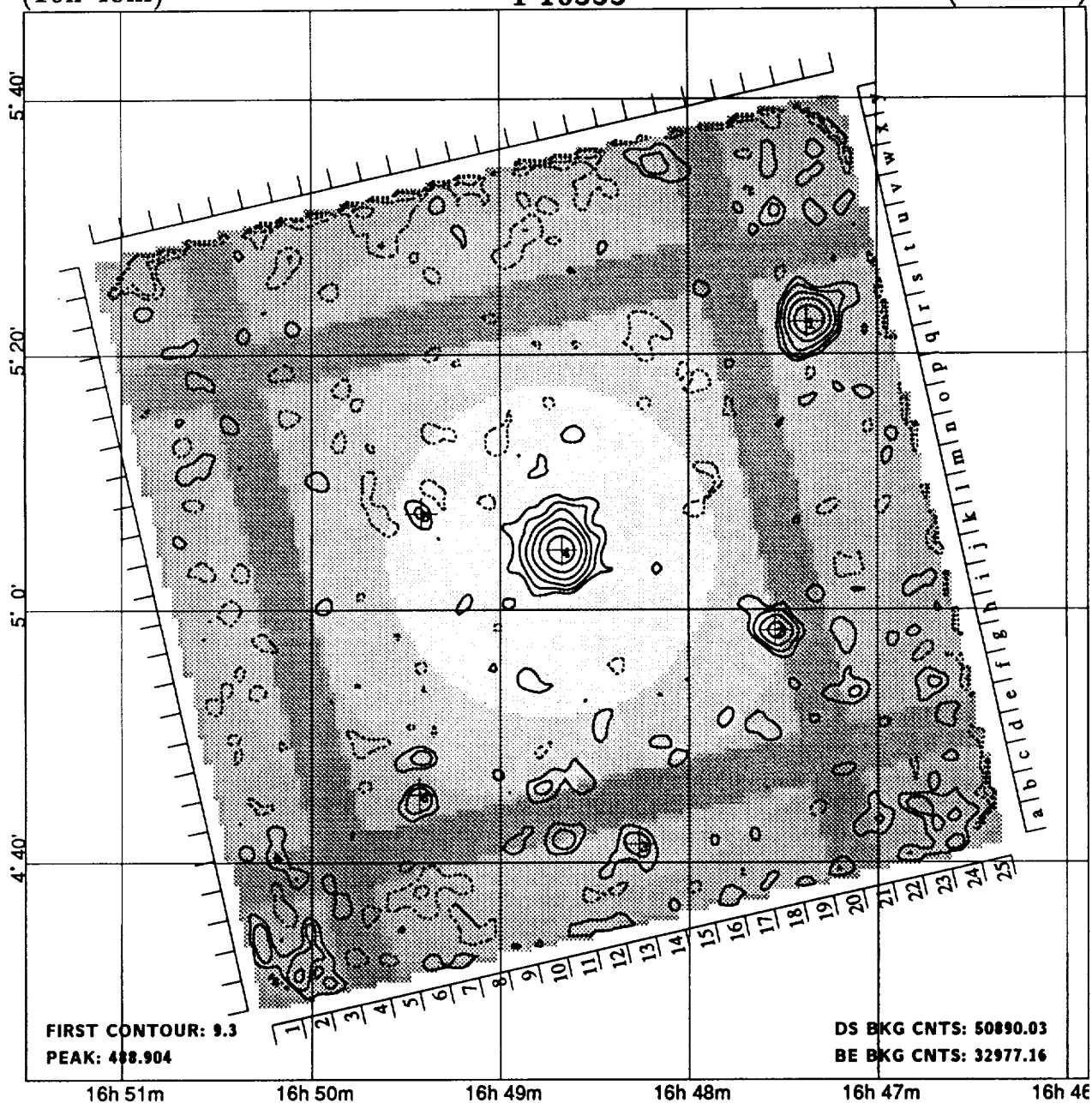
DATE: 1980/ 64 - 1980/ 64
 LIVETIME: 2490.6s
 ROLL ANGLE: -96.9°

NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(16h 48m)

I 10533

(16h 48m)

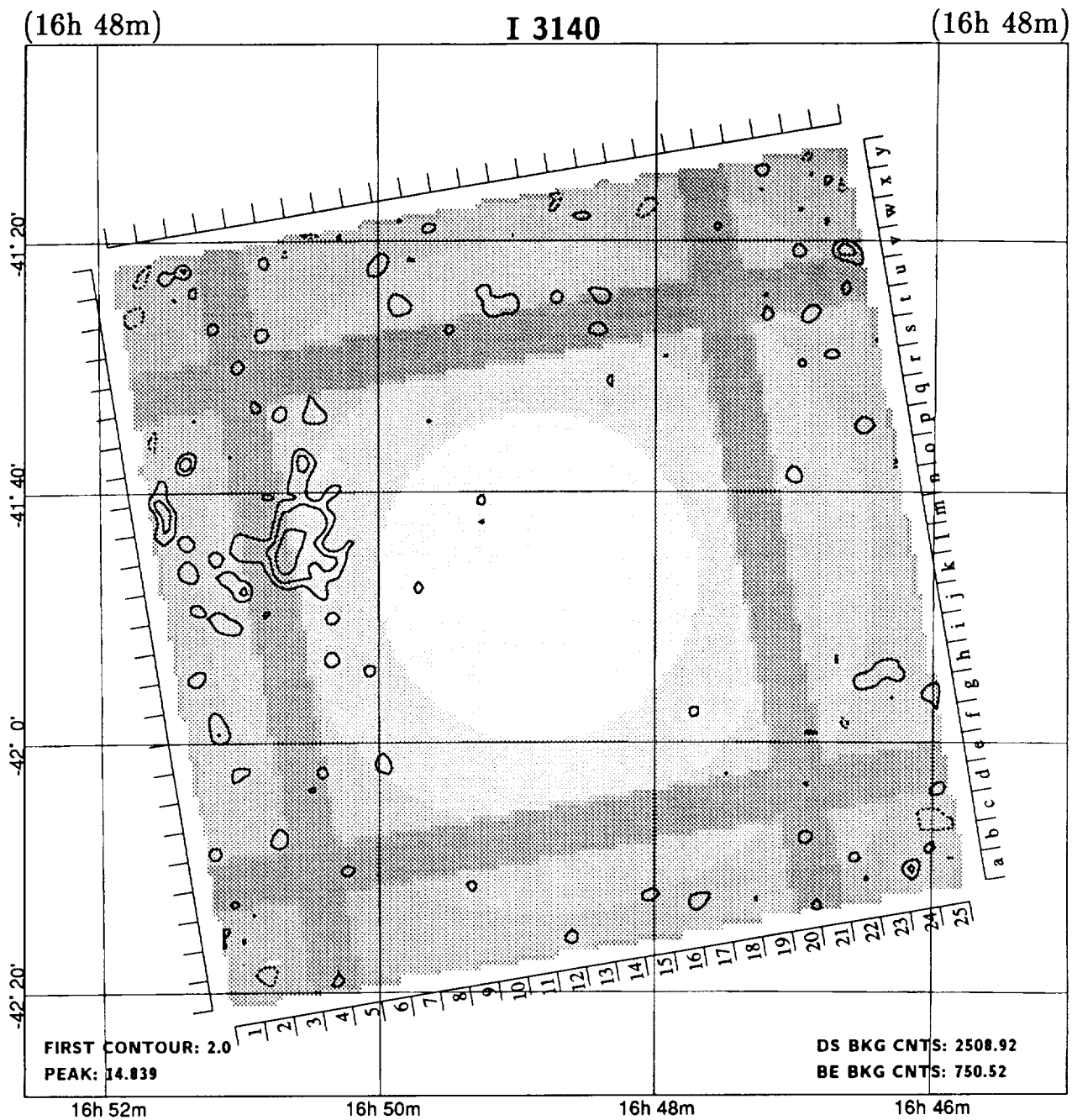


FIELD CENTER: $16^{\text{h}}48^{\text{m}}41.9^{\text{s}}\ 05^{\circ}04'59''$ (B1950)
 $16^{\text{h}}51^{\text{m}}10.0^{\text{s}}\ 04^{\circ}59'58''$ (J2000)
 $l: 23.06\ b: 28.94$

DATE: 1981/ 49 - 1981/ 50
 LIVETIME: 41238.1s
 ROLL ANGLE: -102.7°

NH: $6.3\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3766	1L	16 47 22.4	05 22 32	47	0.0349	0.0020	569.2	224.8	17.0	1.3	0	26.4		
3767	2L	16 47 32.6	04 58 17	47	*0.0124	0.0016	272.1	183.3	7.6	1.1	804	18.6		
3769	3L	16 48 15.8	04 41 25	55	0.0046	0.0011	83.7	145.3	4.1	1.1	400	24.5		
3771	4L	16 48 40.4	05 04 38	31	0.0598	0.0019	1834.3	676.7	31.0	1.6	0	0.5		G
3773	5L	16 49 25.2	05 07 31	42	0.00324	0.00075	87.9	166.1	4.3	0.7	0	11.2		
3774	6L	16 49 25.9	04 45 22	51	0.0049	0.0010	97.7	148.3	4.8	0.9	0	22.4		



CORONAL EMISSION FROM OB SUPERGIANTS: HD 151932

FIELD CENTER: $16^{\text{h}}48^{\text{m}}47.9^{\text{s}}$ $-41^{\circ}46'17''$ (B1950)
 $16^{\text{h}}52^{\text{m}}18.7^{\text{s}}$ $-41^{\circ}51'16''$ (J2000)
 l : 343.22 b : 1.43

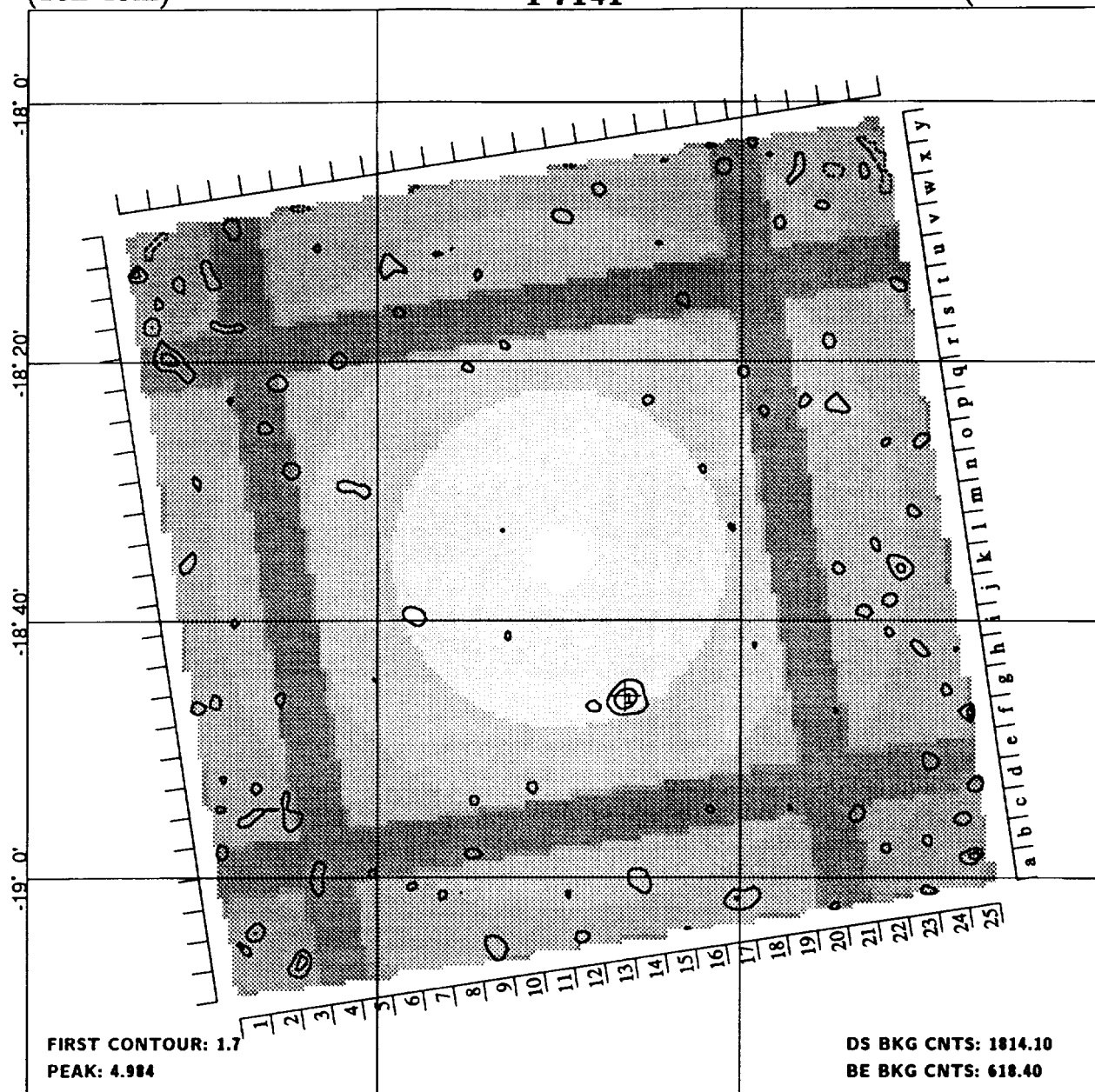
DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 2033.1s
 ROLL ANGLE: -99.4°

NH: $5.3\text{E}+21$
 REF/ID: S
 FIELD FLAGS: LS

(16h 48m)

I 7141

(16h 48m)



16h 50m

16h 48m

H1648-185, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $16^{\text{h}}48^{\text{m}}57.5^{\text{s}}$ $-18^{\circ}34'47''$ (B1950)
 $16^{\text{h}}51^{\text{m}}52.7^{\text{s}}$ $-18^{\circ}39'47''$ (J2000)
 ℓ : 1.60 b : 15.92

DATE: 1981/ 41 - 1981/ 41
 LIVETIME: 1470.0s
 ROLL ANGLE: -98.6°

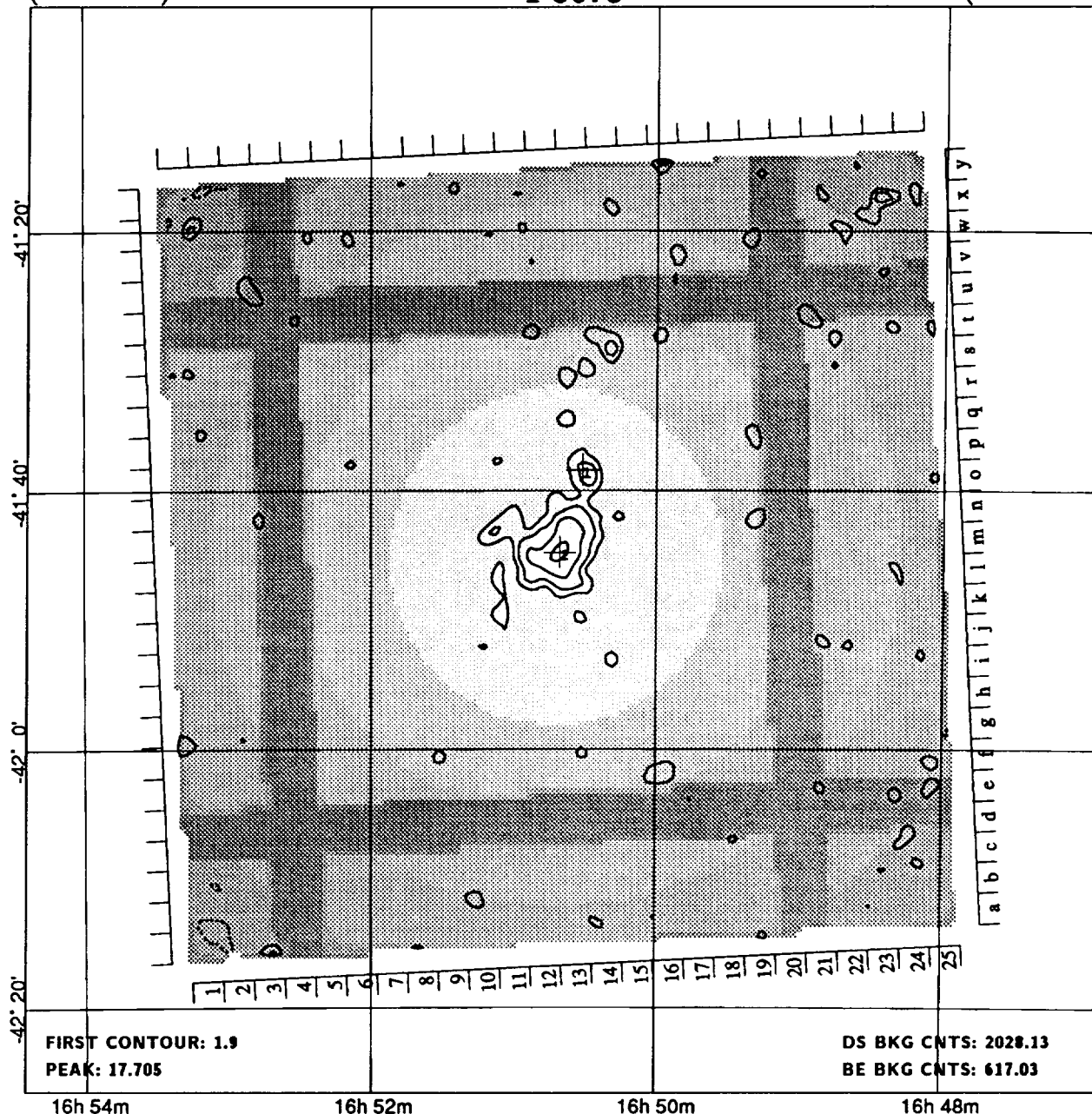
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3770	1	16 48 38.3	-18 45 52	46	0.0179	0.0050	17.0	5.0	3.6	0.9	0	11.9	

(16h 50m)

I 5075

(16h 50m)



FIELD CENTER: $16^{\text{h}}50^{\text{m}}38.9^{\text{s}}$ $-41^{\circ}44'38''$ (B1950)
 $16^{\text{h}}54^{\text{m}}09.8^{\text{s}}$ $-41^{\circ}49'30''$ (J2000)
 $l: 343.46$ $b: 1.18$

DATE: 1980/ 73 - 1980/ 73
LIVETIME: 1702.5s
ROLL ANGLE: -92.8°

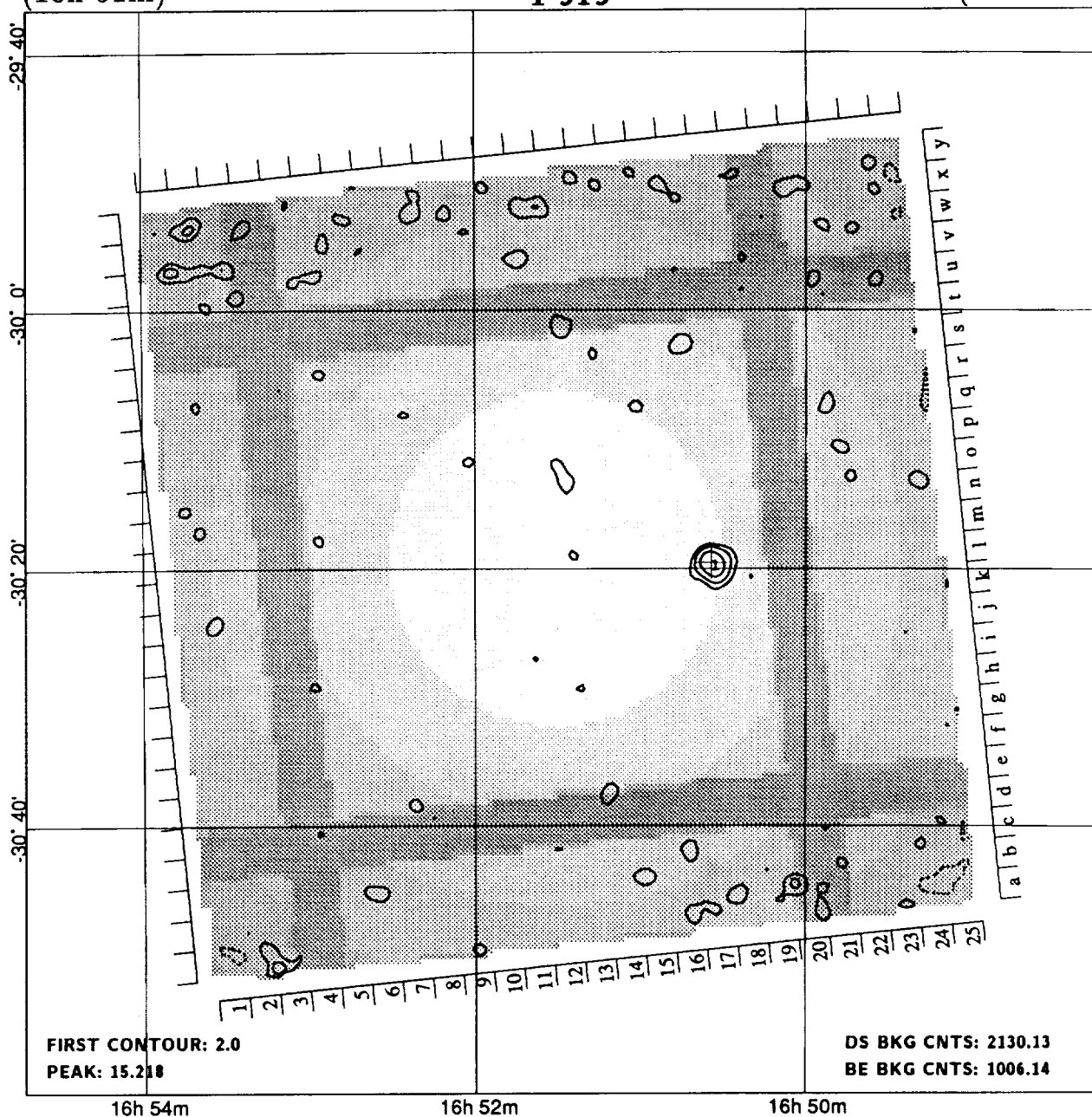
NH: 5.3E+21
REF/ID: S
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3776	1	16 50 31.1	-41 38 23	46	0.0176	0.0044	20.9	6.1	4.0	12.0	0	6.3	H	
3779	2	16 50 40.6	-41 44 45	32	0.0672	0.0076	85.3	6.7	8.9	2.9	0	0.4	H	S

(16h 51m)

I 919

(16h 51m)



HK/CL SCO STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $16^{\text{h}}51^{\text{m}}27.7^{\text{s}}$ $-30^{\circ}18'43''$ (B1950)
 $16^{\text{h}}54^{\text{m}}38.9^{\text{s}}$ $-30^{\circ}23'32''$ (J2000)
 $l: 352.47$ $b: 8.27$

DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 1726.1s
 ROLL ANGLE: -95.7°

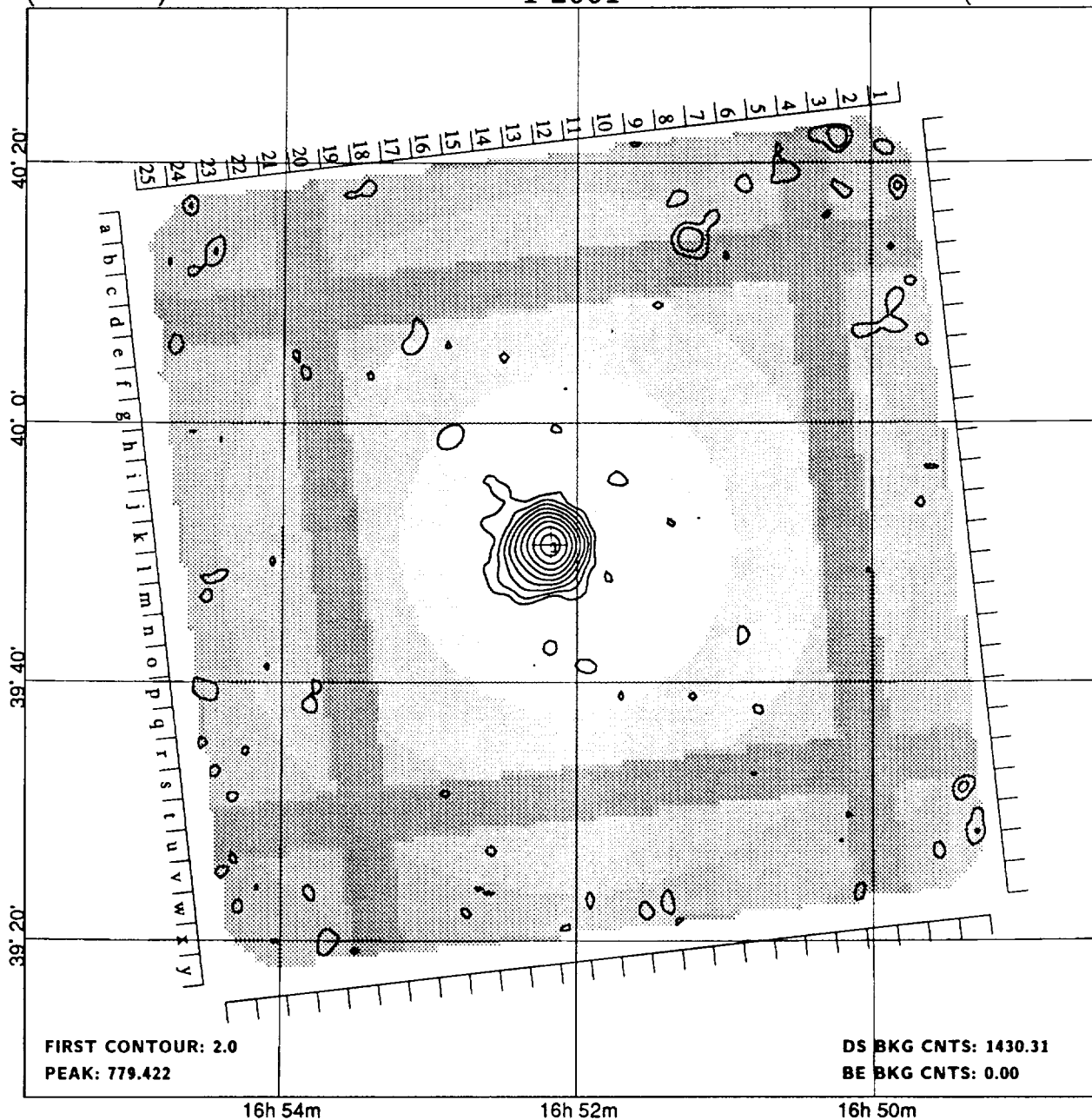
NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3777	1L	16 50 34.2	-30 19 31	41	0.0417	0.0077	46.1	8.9	5.3	1.0	0	11.5		S

(16h 52m)

I 2001

(16h 52m)



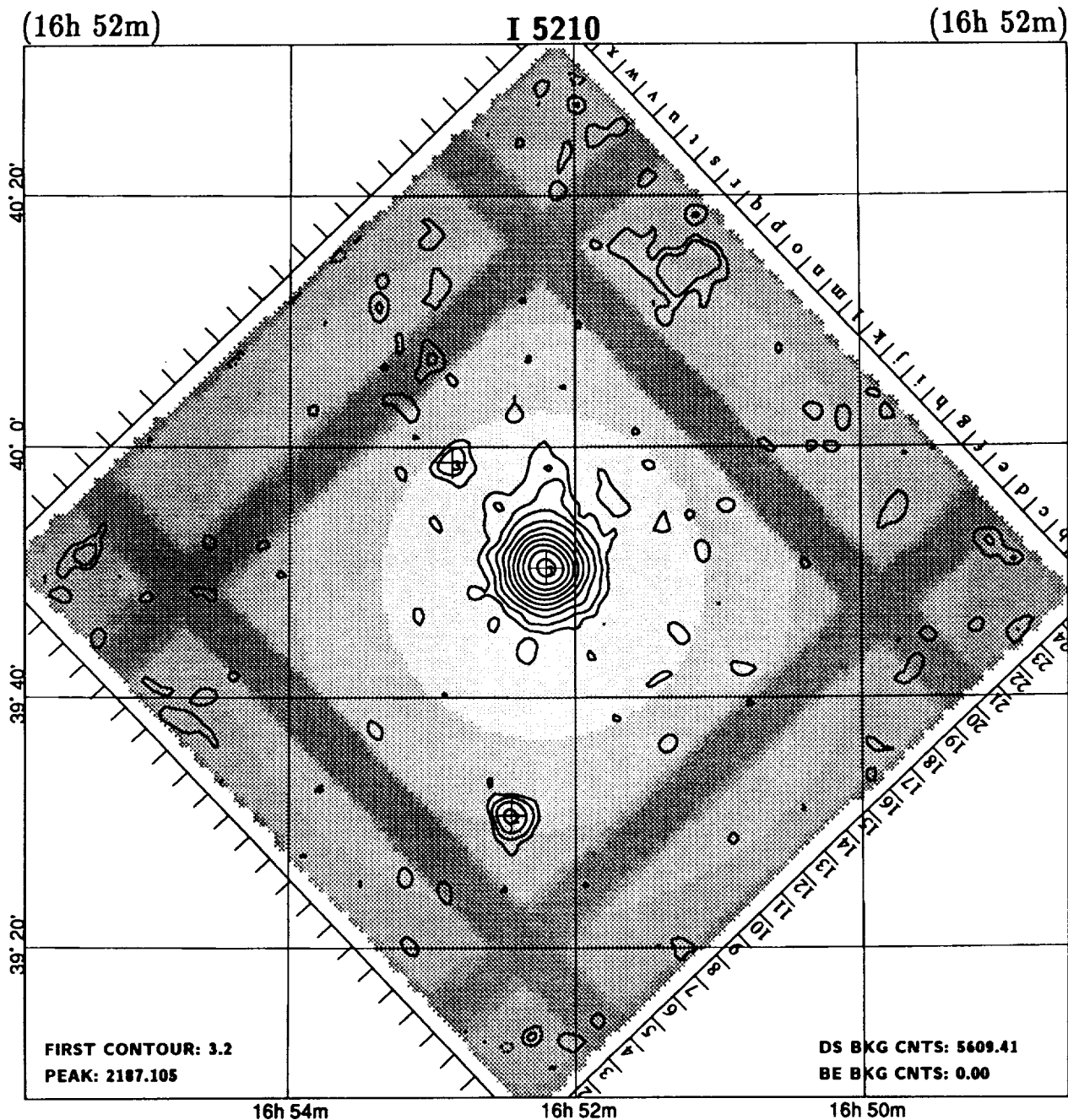
X-RAY STUDY OF BL LAC OBJECTS: B21652+39(MAR 501,4C39.4)

FIELD CENTER: $16^{\text{h}}52^{\text{m}}05.9^{\text{s}}$ $39^{\circ}49'59''$ (B1950)
 $16^{\text{h}}53^{\text{m}}46.4^{\text{s}}$ $39^{\circ}45'10''$ (J2000)
 ℓ : 63.59 b : 38.88

DATE: 1979/211 - 1979/239
 LIVETIME: 1159.0s
 ROLL ANGLE: 83.6°

NH: $9.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3780	1L	16 52 10.7	39 50 32	31	3.302	0.073	2838.5	288.5	44.9	1.3	0	1.0	A	*



BL LAC MK 501, QUASI-SIMULTANEOUS OBSERVATION WITH IUE

FIELD CENTER: $16^{\text{h}}52^{\text{m}}11.9^{\text{s}}$ $39^{\circ}50'05''$ (B1950)
 $16^{\text{h}}53^{\text{m}}52.4^{\text{s}}$ $39^{\circ}45'17''$ (J2000)
 $l: 63.59$ $b: 38.86$

DATE: 1980/ 19 - 1980/ 20
 LIVETIME: 4545.5s
 ROLL ANGLE: -133.5°

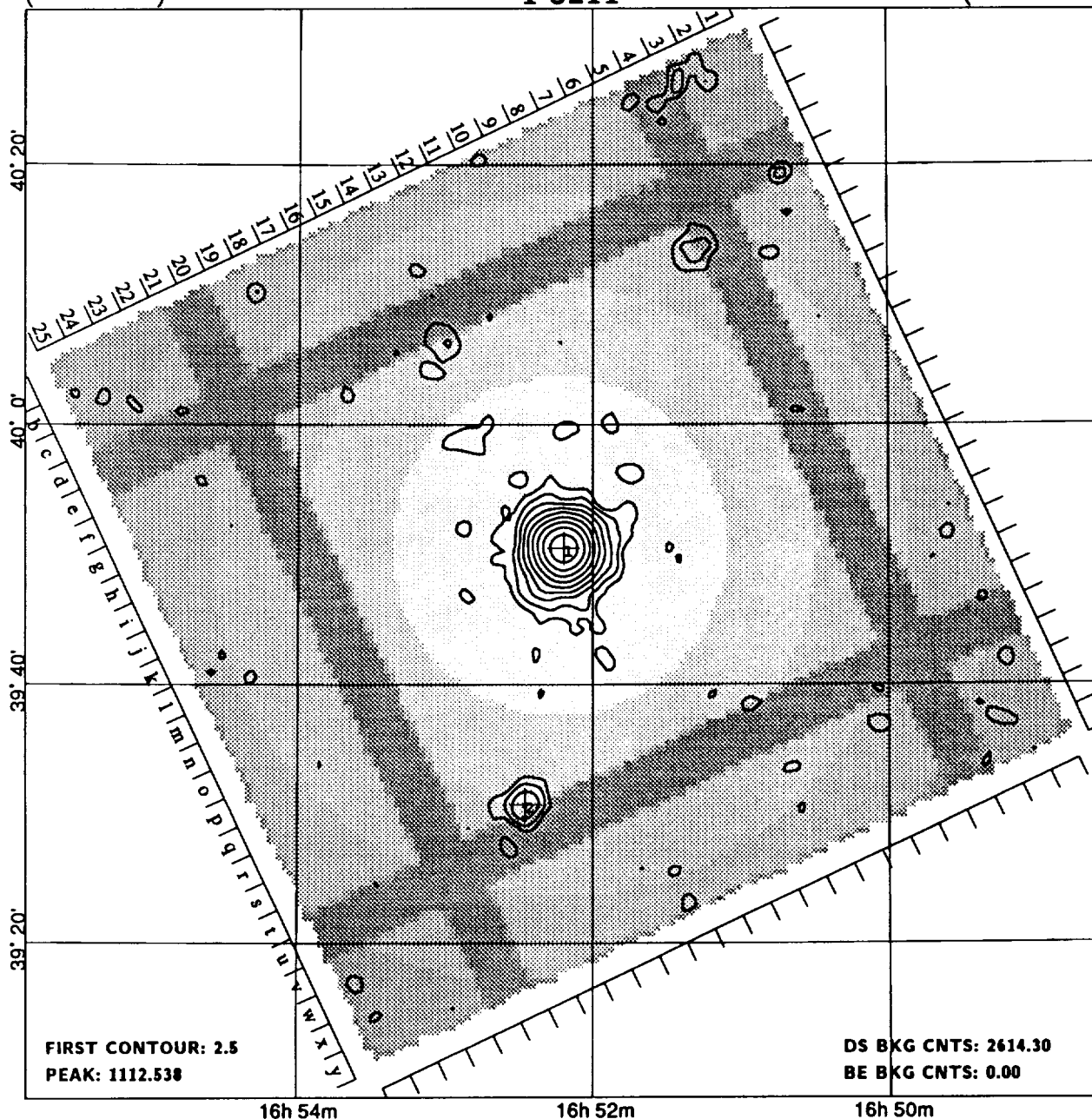
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3780	1L	16 52 12.0	39 50 24	31	2.478	0.033	8386.3	1217.7	75.1	1.4	0	0.4	A	*
3781	2L	16 52 26.8	39 30 33	48	0.0387	0.0049	92.0	14.0	7.7	1.1	0	19.8	A	
3784	3L	16 52 51.7	39 58 47	42	0.0118	0.0030	34.5	20.5	3.8	1.0	0	11.6		

(16h 52m)

I 5211

(16h 52m)



BL LAC MK 501, QUASI-SIMULTANEOUS OBS WITH IUE

FIELD CENTER: $16^{\text{h}}52^{\text{m}}11.9^{\text{s}}$ $39^{\circ}50'05''$ (B1950)
 $16^{\text{h}}53^{\text{m}}52.4^{\text{s}}$ $39^{\circ}45'17''$ (J2000)
 $\ell: 63.59$ $b: 38.86$

DATE: 1980/228 - 1980/228
 LIVETIME: 2118.4s
 ROLL ANGLE: 64.8°

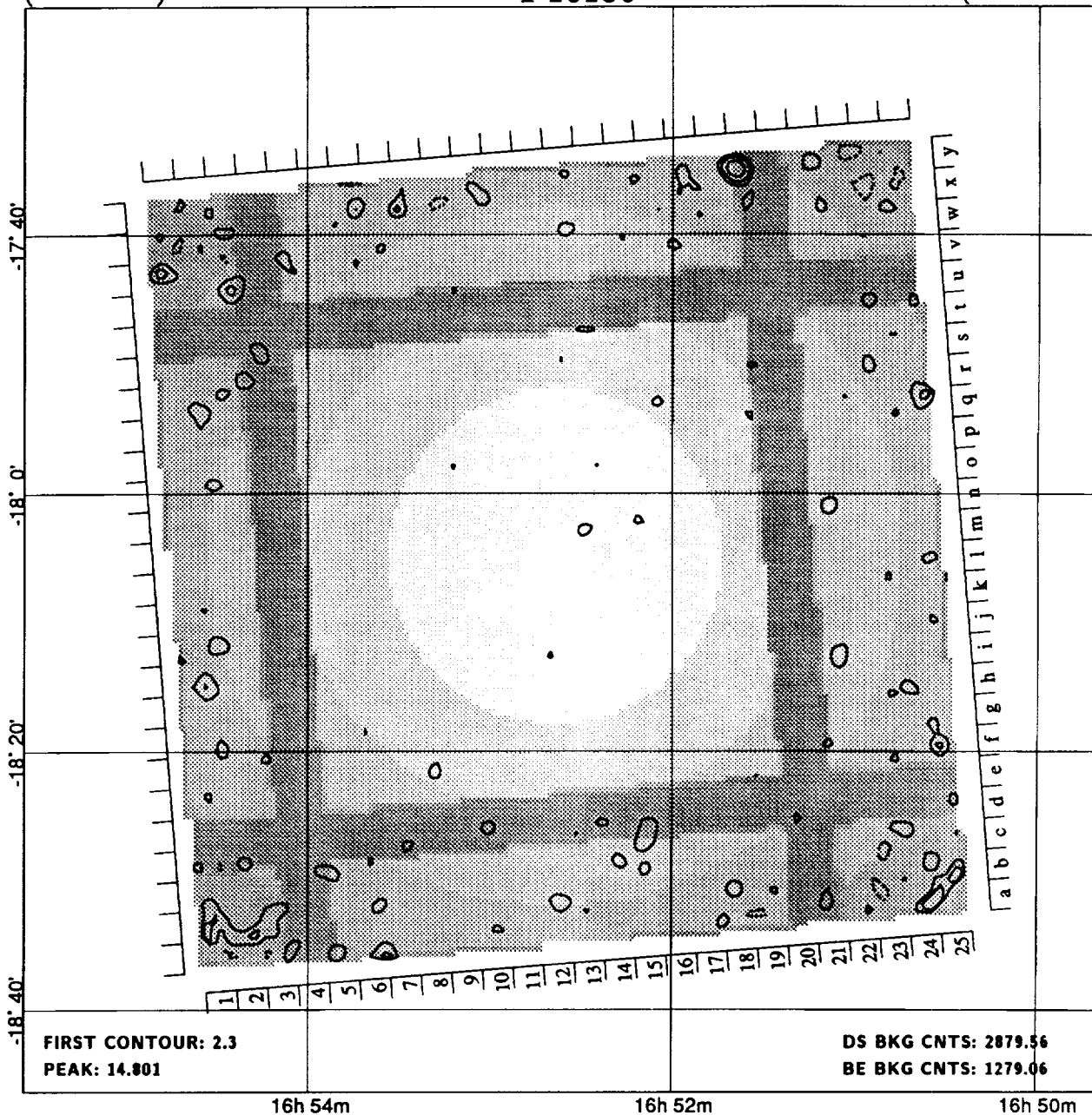
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3780	1L	16 52 11.8	39 50 30	31	2.778	0.052	4388.5	722.5	53.7	1.4	0	0.4	A	*
3781	2L	16 52 27.4	39 30 41	50	*0.058	0.012	62.7	9.3	4.7	1.1	702	19.4	A	

(16h 52m)

I 10156

(16h 52m)



H1648-185

FIELD CENTER: $16^h 52^m 35.9^s$ $-18^\circ 04' 23''$ (B1950)
 $16^h 55^m 30.6^s$ $-18^\circ 09' 08''$ (J2000)
 $l: 2.56$ $b: 15.53$

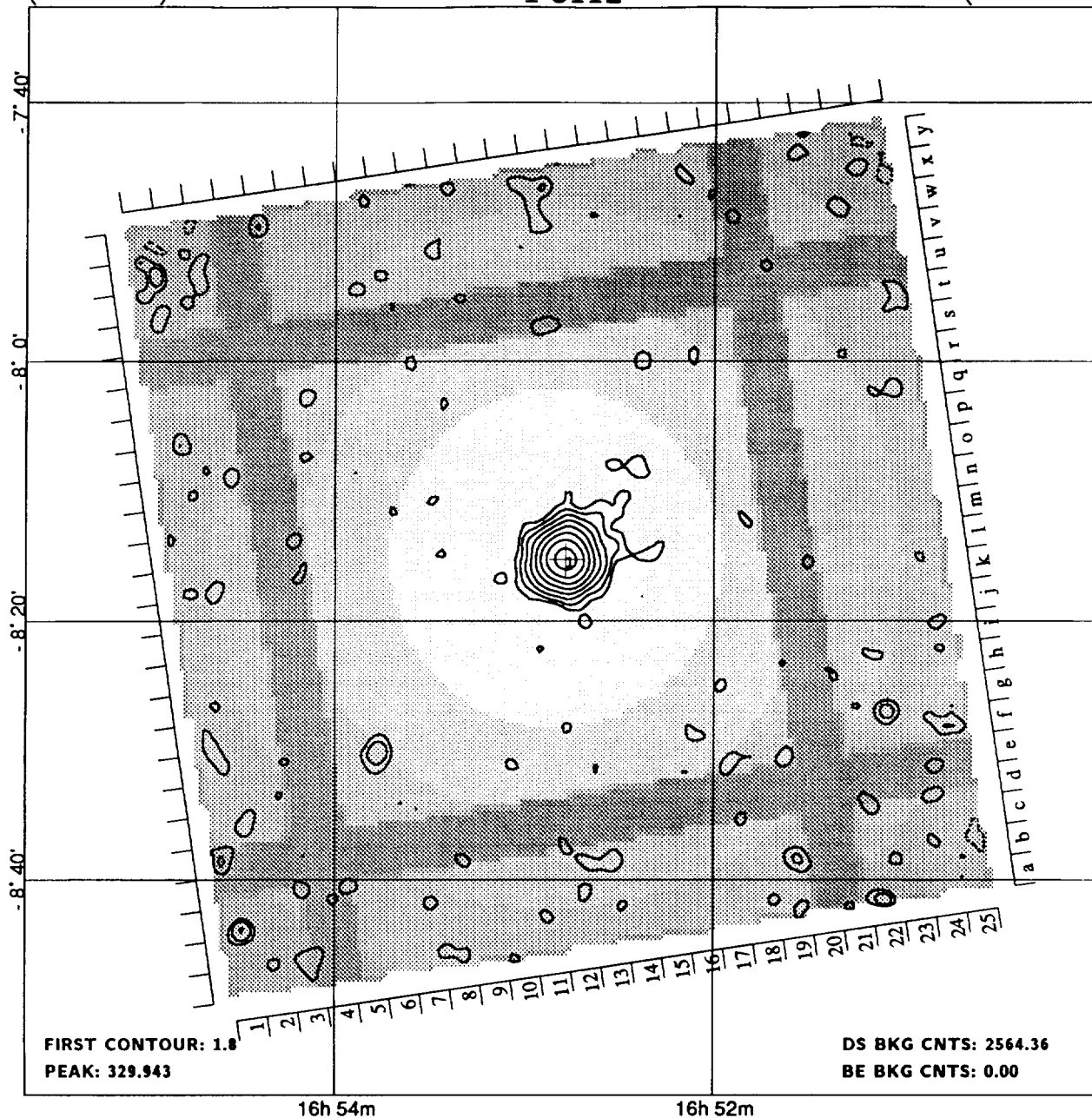
DATE: 1981/ 90 - 1981/ 90
 LIVETIME: 2333.4s
 ROLL ANGLE: -94.5°

NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS: L

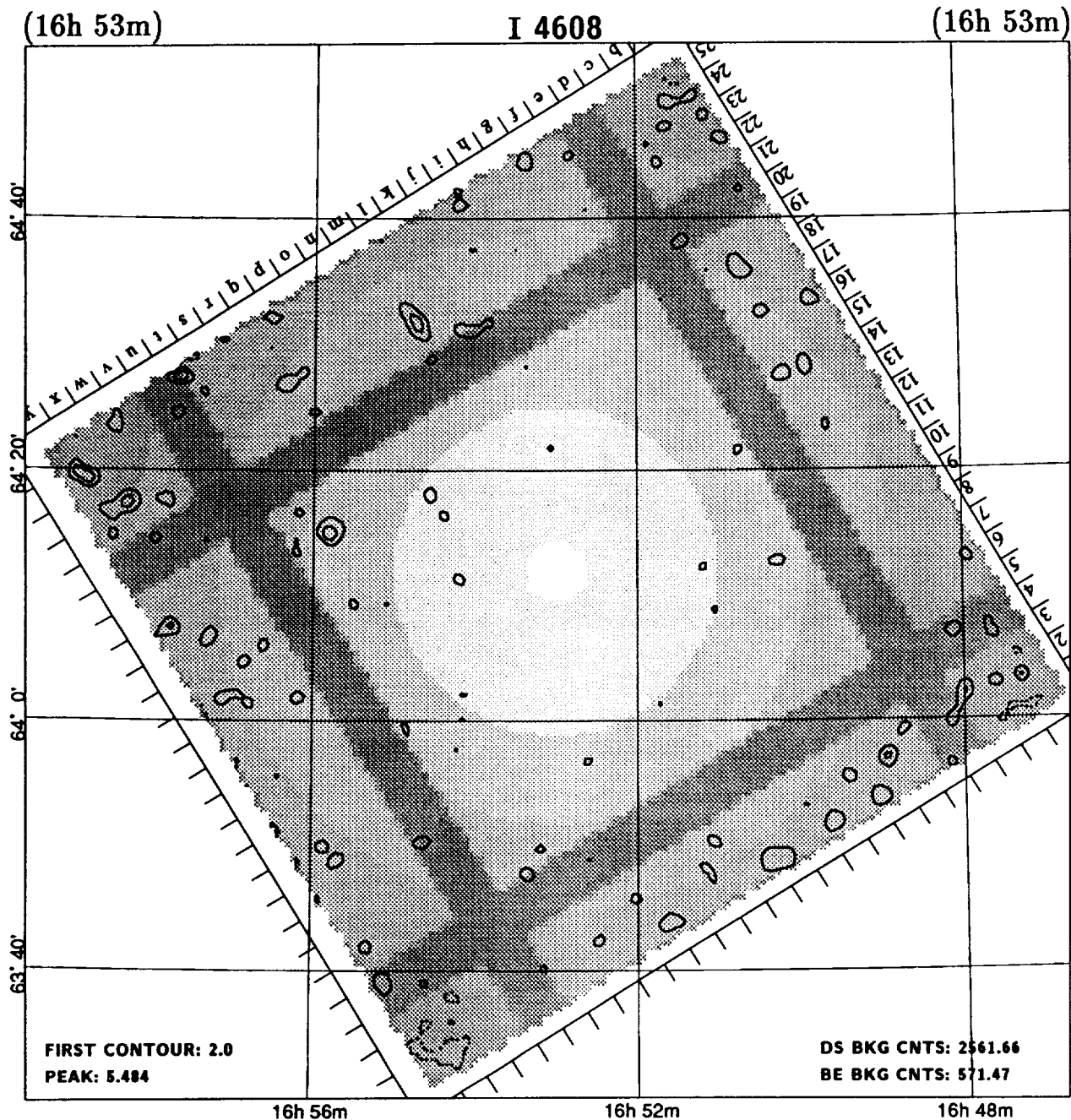
(16h 52m)

I 3112

(16h 52m)



CAT #	FLD #	RA (1950)	DEC (1950)	± ''	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3783	1L	16 52 46.9	-08 15 14	31	0.780	0.028	1207.7	223.3	27.7	1.4	0	0.5	S



MKN 502: S-TYPE MARKARIAN GALAXY

FIELD CENTER: $16^{\text{h}}53^{\text{m}}06.0^{\text{s}}$ $64^{\circ}11'59''$ (B1950)
 $16^{\text{h}}53^{\text{m}}27.6^{\text{s}}$ $64^{\circ}07'12''$ (J2000)
 $l: 94.54$ $b: 36.98$

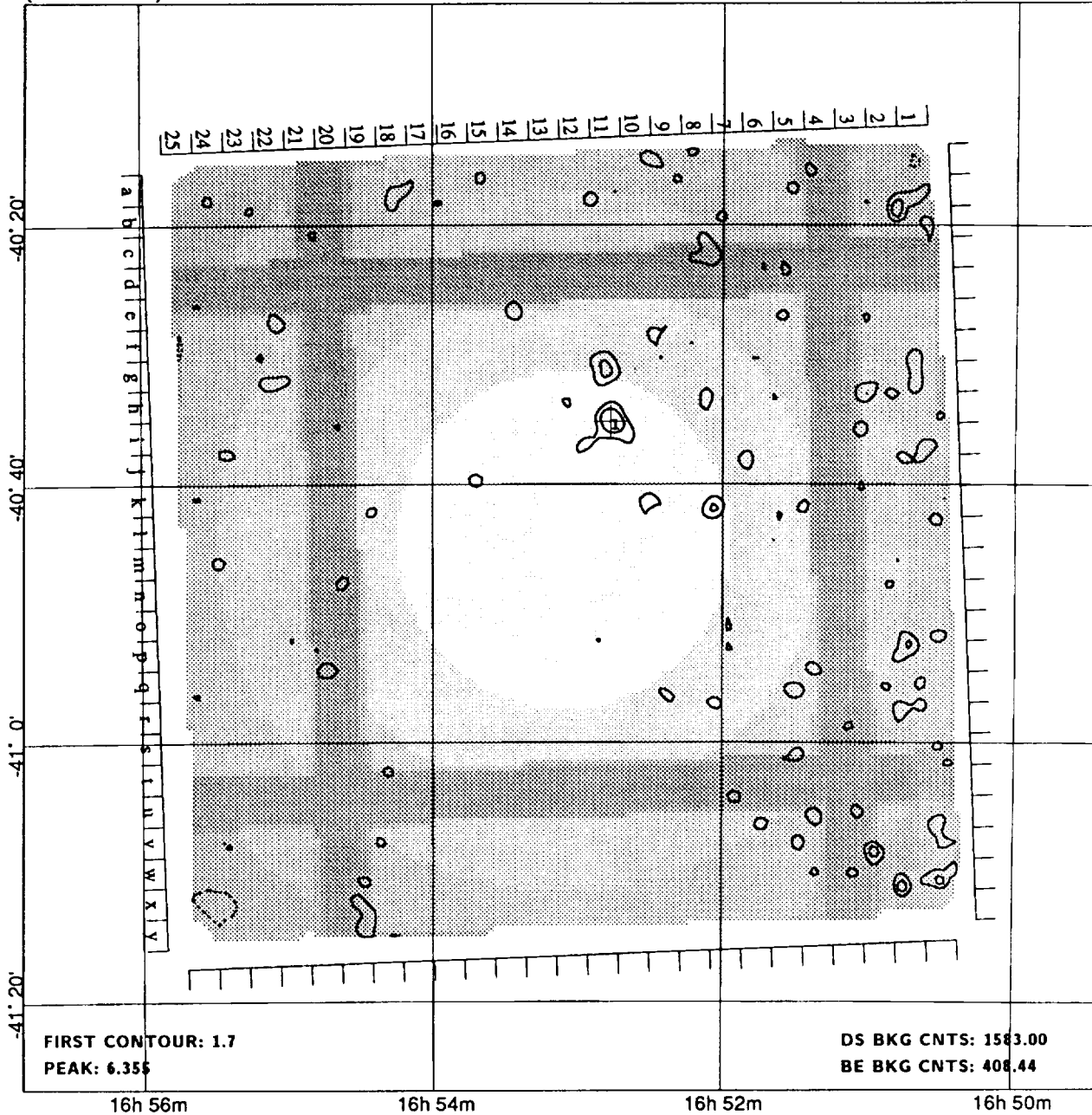
DATE: 1979/310 - 1979/310
 LIVETIME: 2075.8s
 ROLL ANGLE: 148.5°

NH: $2.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(16h 53m)

I 3052

(16h 53m)



COLLIDING STELLAR WINDS: HD 152667

FIELD CENTER: $16^{\text{h}}53^{\text{m}}07.0^{\text{s}}$ $-40^{\circ}44'59''$ (B1950)
 $16^{\text{h}}56^{\text{m}}36.1^{\text{s}}$ $-40^{\circ}49'40''$ (J2000)
 $l: 344.53$ $b: 1.45$

DATE: 1979/237 - 1979/237
 LIVETIME: 1282.7s
 ROLL ANGLE: 87.9°

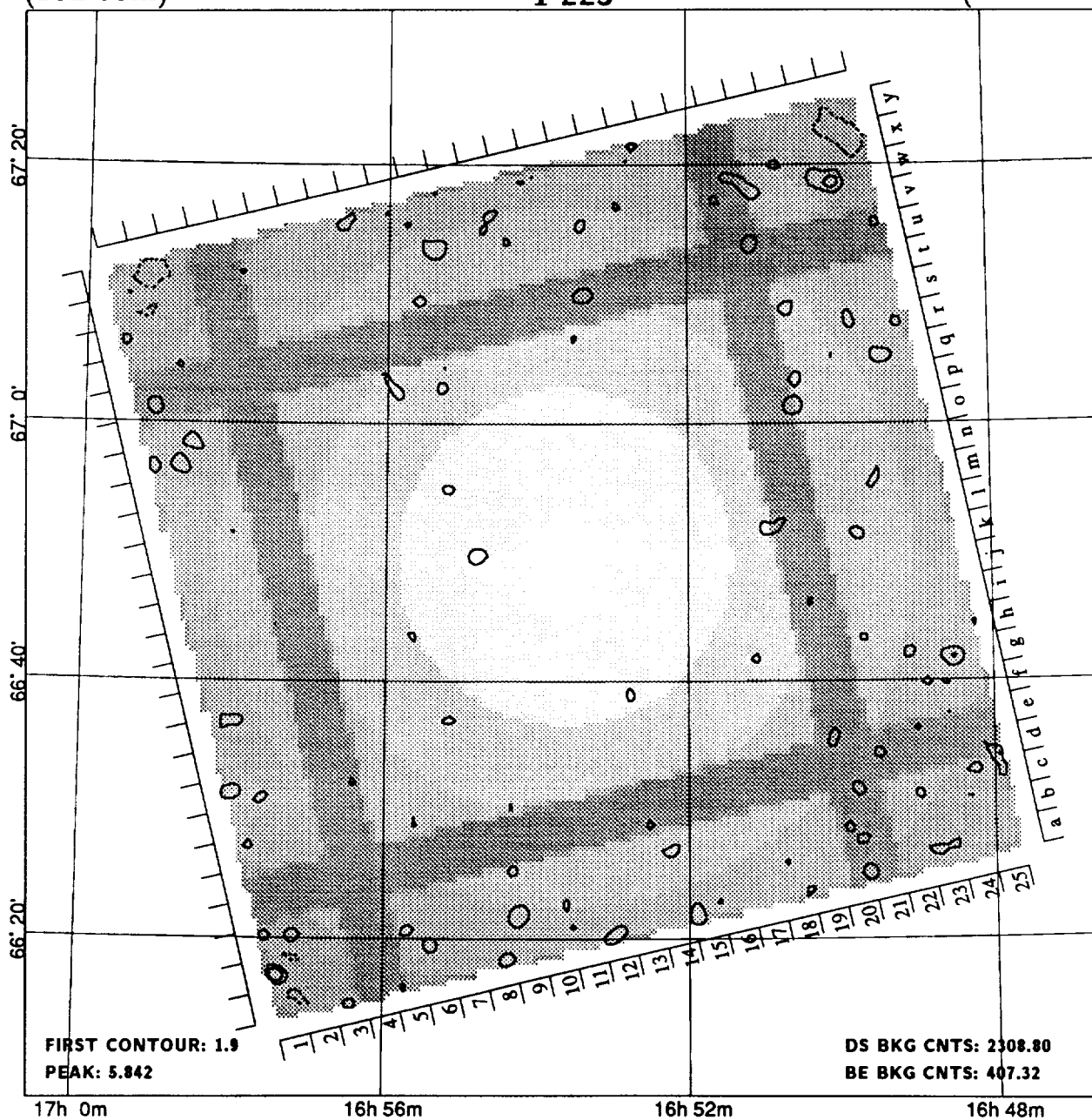
NH: $6.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3782	1	16 52 46.2	-40 35 13	43	0.0235	0.0058	20.2	4.8	4.0	0.9	0	10.5	H	

(16h 53m)

I 223

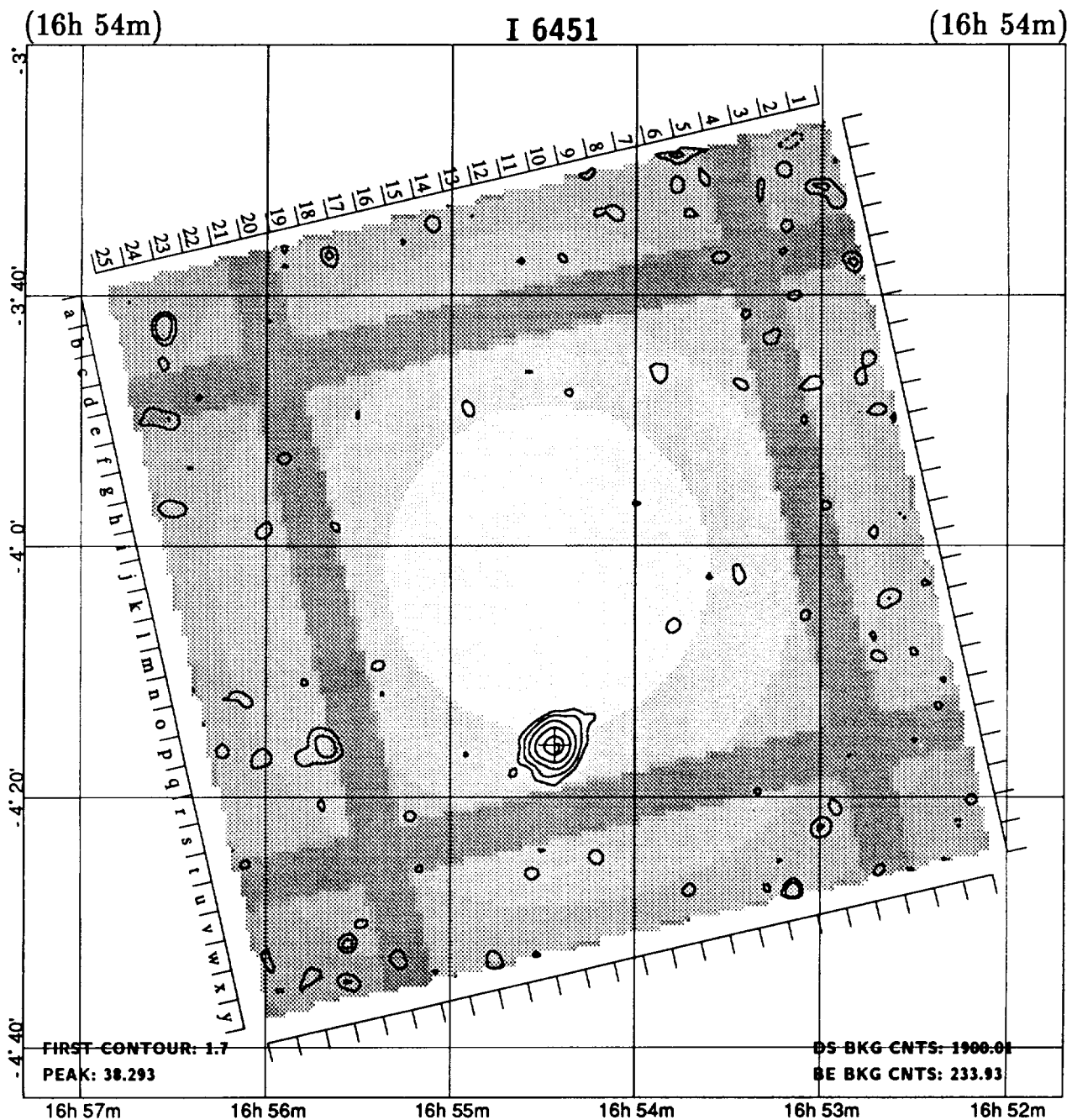
(16h 53m)



FIELD CENTER: $16^{\text{h}}53^{\text{m}}37.9^{\text{s}}$ $66^{\circ}49'59''$ (B1950)
 $16^{\text{h}}53^{\text{m}}42.3^{\text{s}}$ $66^{\circ}45'13''$ (J2000)
 $l: 97.70$ $b: 36.27$

DATE: 1979/ 57 - 1979/ 57
 LIVETIME: 1870.9s
 ROLL ANGLE: -103.1°

NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $16^h 54^m 30.0^s$ $-04^\circ 01' 59''$ (B1950)
 $16^h 57^m 08.3^s$ $-04^\circ 06' 36''$ (J2000)
 $l: 15.13$ $b: 23.07$

DATE: 1980/240 - 1980/240
 LIVETIME: 1539.6s
 ROLL ANGLE: 77.1°

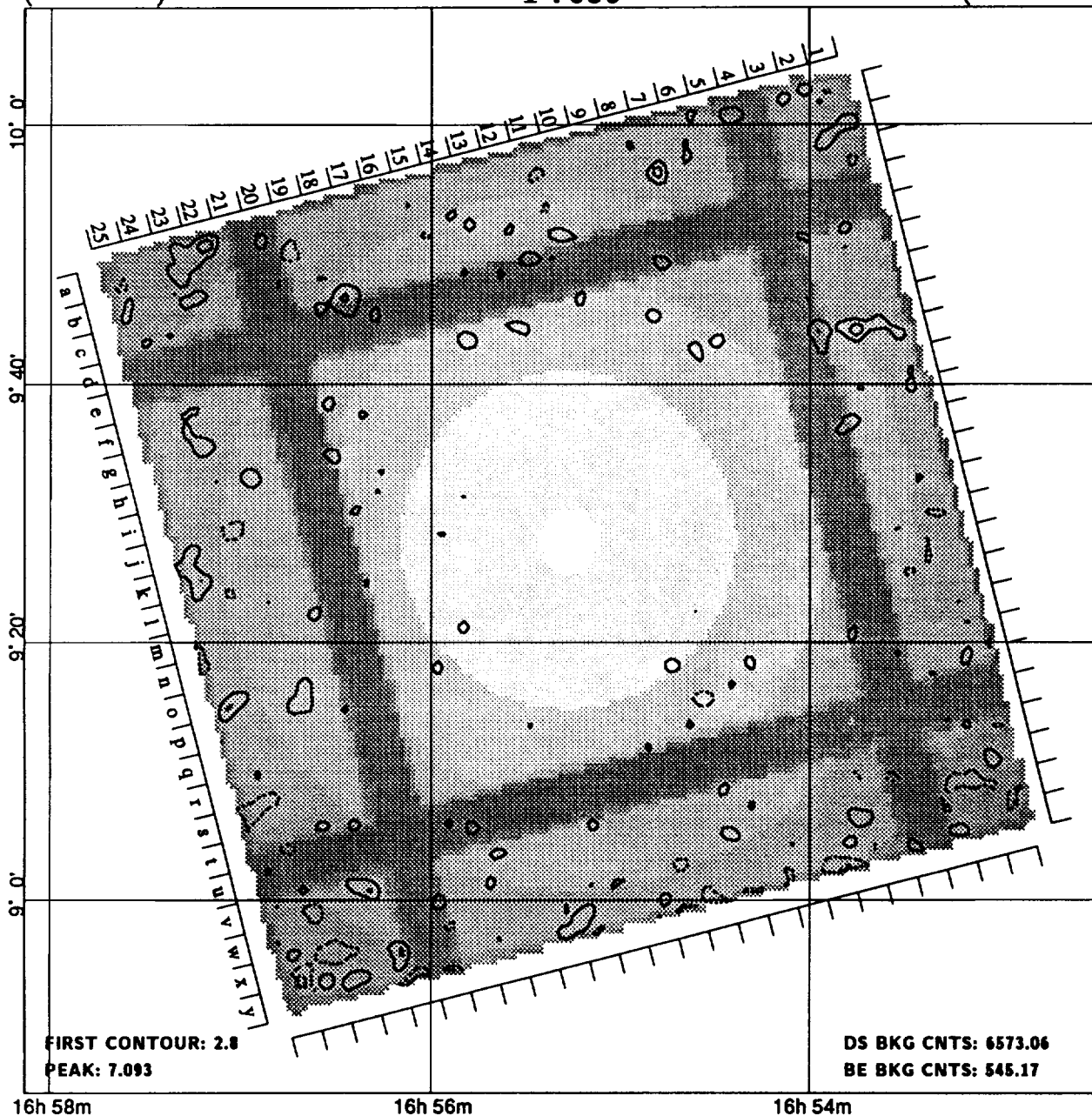
NH: $1.0E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3787	1	16 54 26.1	-04 15 51	38	0.138	0.012	128.6	4.4	11.1	1.3	0	13.8	H	

(16h 55m)

I 7686

(16h 55m)



KAP OPH,CORONAE/WINDS DIVISION AMONG LATE-TYPE STARS

FIELD CENTER: $16^{\text{h}}55^{\text{m}}17.9^{\text{s}}$ $09^{\circ}27'03''$ (B1950)
 $16^{\text{h}}57^{\text{m}}41.0^{\text{s}}$ $09^{\circ}22'29''$ (J2000)
 $l: 28.37$ $b: 29.50$

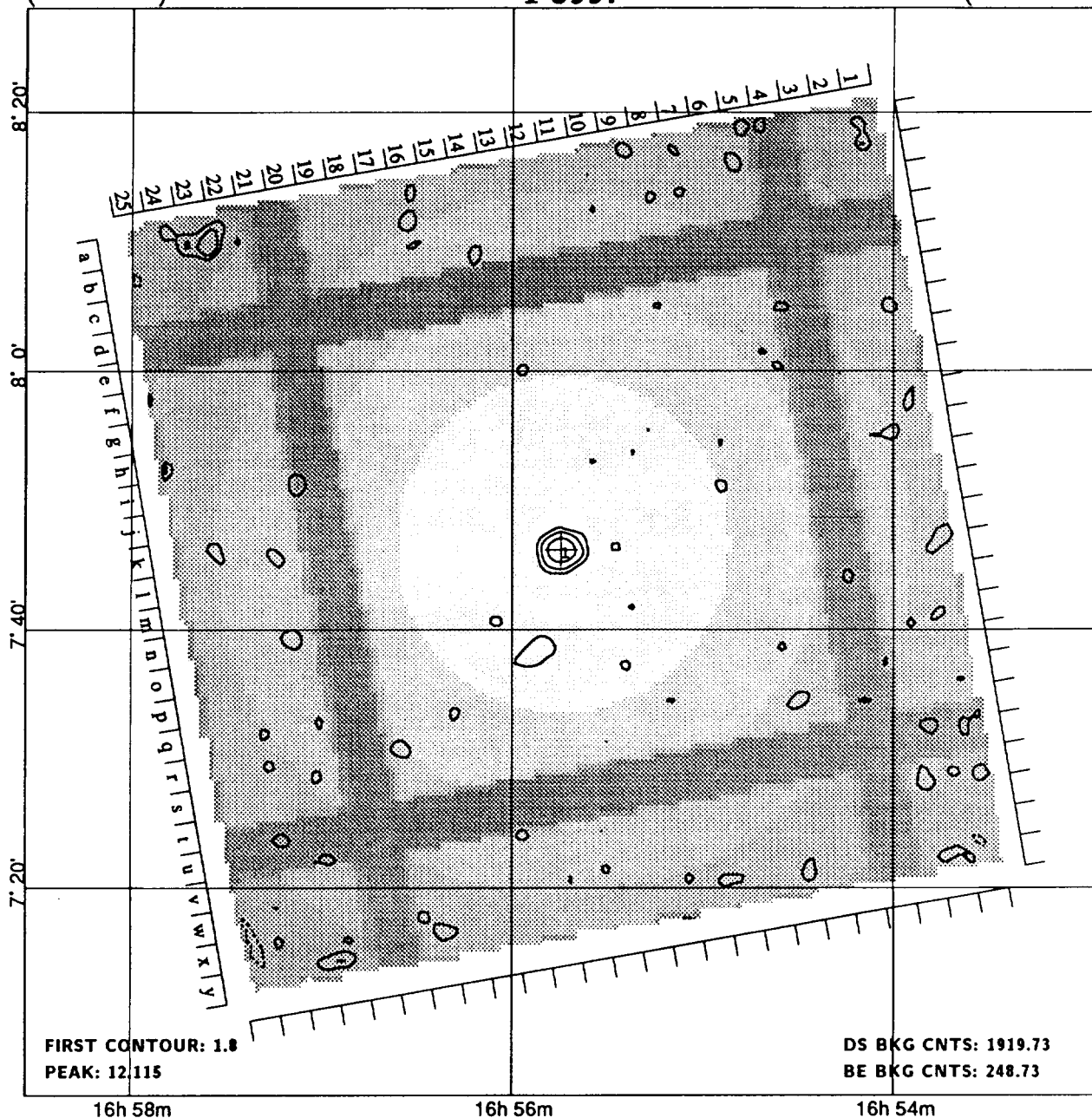
DATE: 1980/234 - 1980/234
LIVETIME: 5326.3s
ROLL ANGLE: 75.7°

NH: $5.6\text{E}+20$
REF/ID:
FIELD FLAGS:

(16h 55m)

I 3997

(16h 55m)



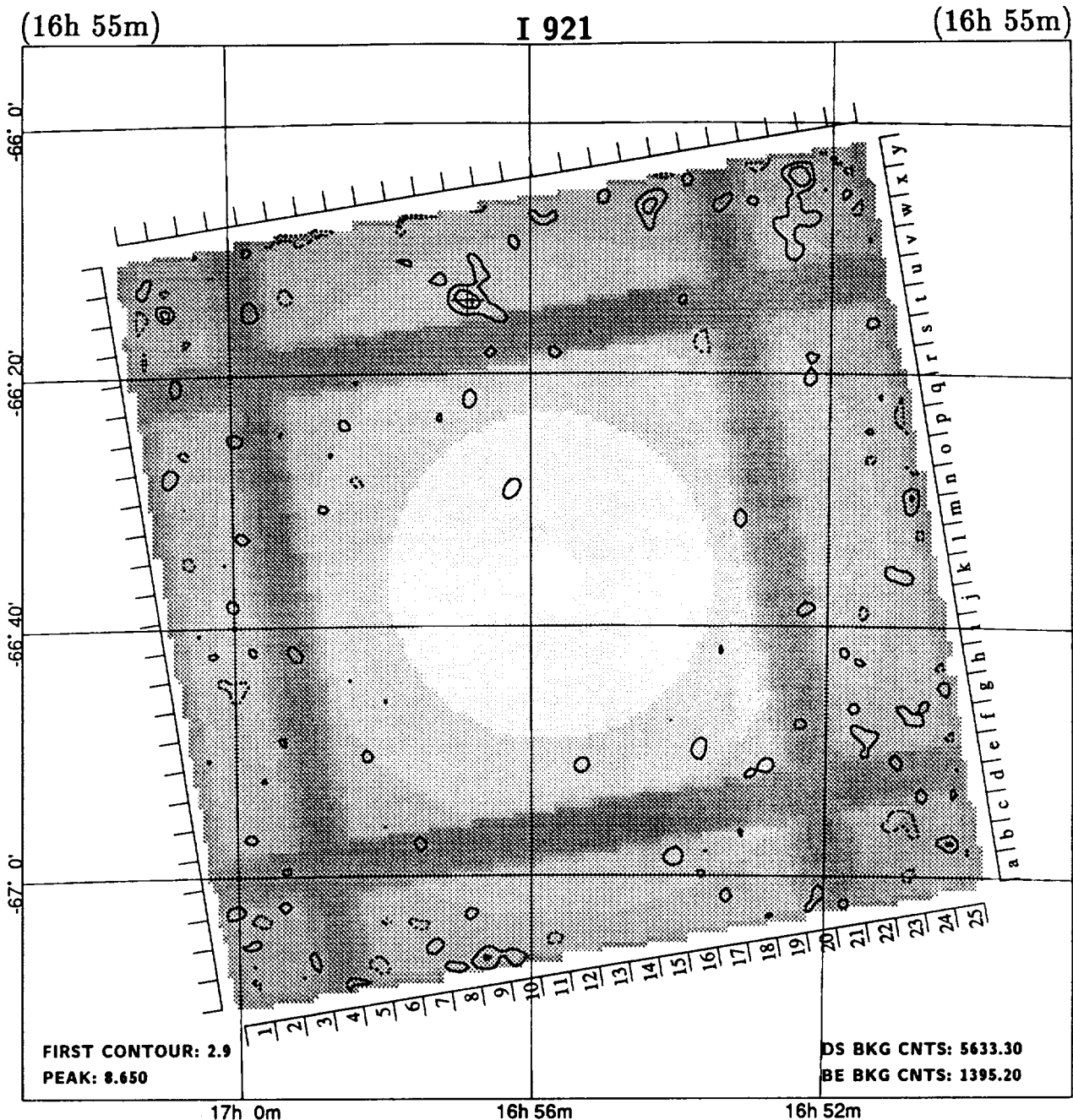
16555+077, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: $16^{\text{h}}55^{\text{m}}43.9^{\text{s}}$ $07^{\circ}45'58''$ (B1950)
 $16^{\text{h}}58^{\text{m}}08.9^{\text{s}}$ $07^{\circ}41'26''$ (J2000)
 ℓ : 26.70 b : 28.65

DATE: 1979/242 - 1979/242
 LIVETIME: 1555.6s
 ROLL ANGLE: 80.2°

NH: 6.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3789	1	16 55 44.6	07 46 09	35	0.0461	0.0066	53.5	5.5	7.0	1.1	0	0.2	H	



RW TRI STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $16^{\text{h}}55^{\text{m}}46.2^{\text{s}}$ $-66^{\circ}35'47''$ (B1950)
 $17^{\text{h}}00^{\text{m}}49.1^{\text{s}}$ $-66^{\circ}40'14''$ (J2000)
 $l: 324.20$ $b: -14.78$

DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 4728.8s
 ROLL ANGLE: -99.2°

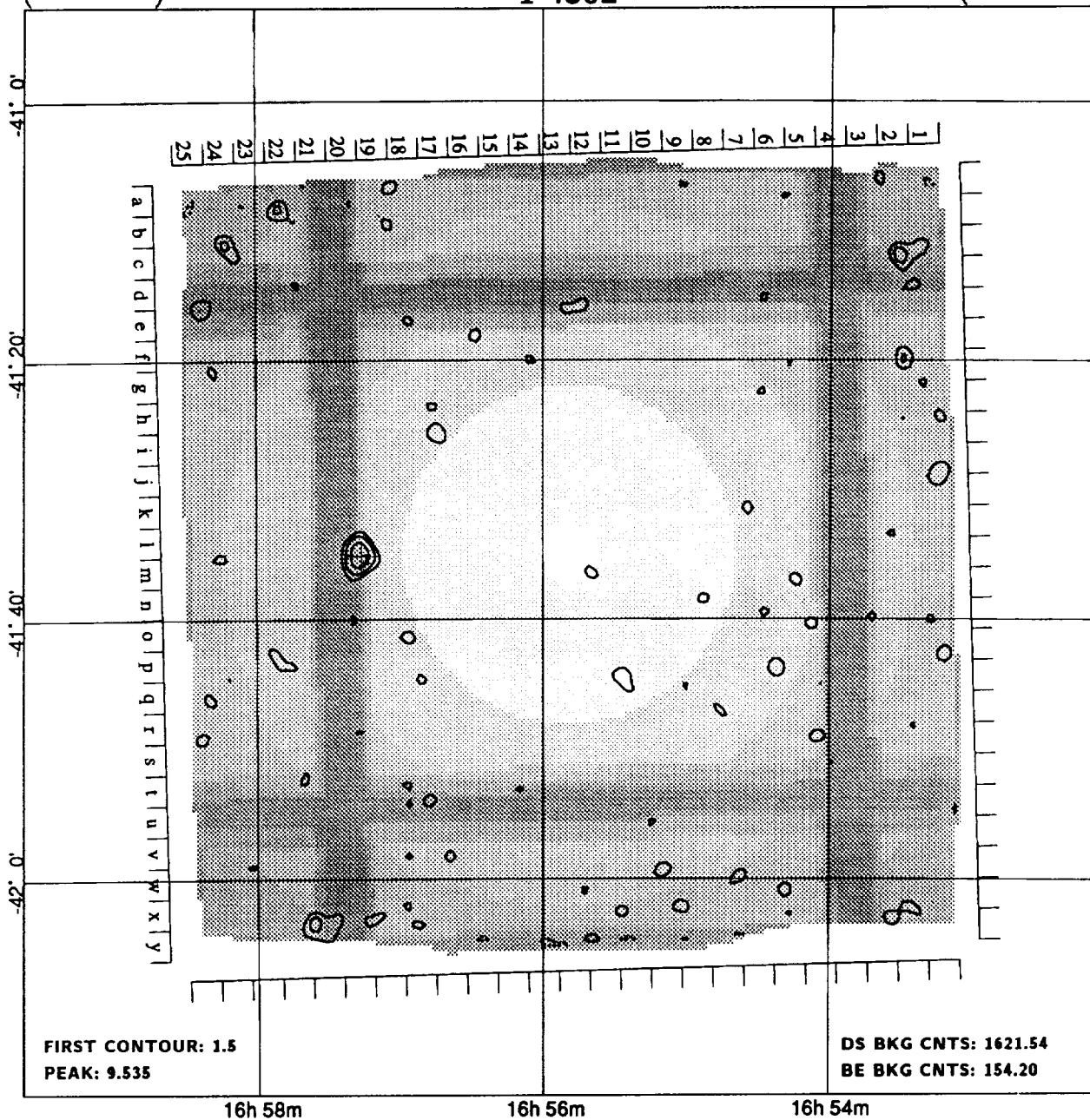
NH: $7.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3794	1	16 56 50.2	-66 14 09	56	0.0095	0.0026	20.8	11.2	3.7	1.0	400	22.5	H	

(16h 55m)

I 4502

(16h 55m)



FIELD CENTER: $16^{\text{h}}55^{\text{m}}52.7^{\text{s}}$ $-41^{\circ}34'47''$ (B1950)
 $16^{\text{h}}59^{\text{m}}23.6^{\text{s}}$ $-41^{\circ}39'17''$ (J2000)
 ℓ : 344.21 b : 0.53

DATE: 1979/237 - 1979/237
 LIVETIME: 1314.0s
 ROLL ANGLE: 88.6°

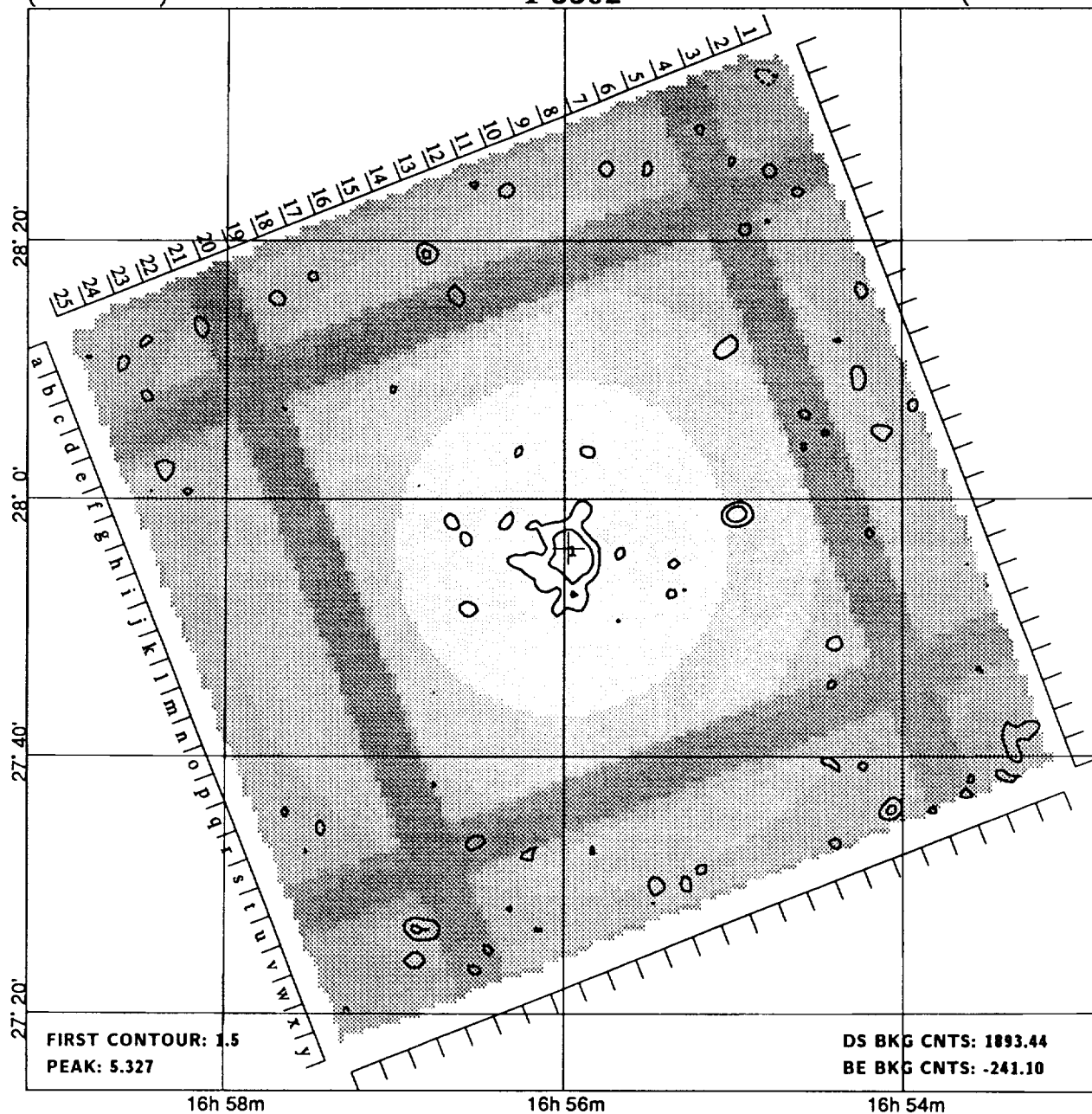
NH: 8.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3797	1	16 57 16.2	-41 35 00	51	*0.0403	0.0077	30.2	2.8	5.3	0.9	906	15.6	A	P

(16h 55m)

I 3302

(16h 55m)



CD GALAXIES IN POOR CLUSTERS: AWM5

FIELD CENTER: $16^{\text{h}}55^{\text{m}}59.9^{\text{s}}$ $27^{\circ}55'59''$ (B1950)
 $16^{\text{h}}57^{\text{m}}59.6^{\text{s}}$ $27^{\circ}51'27''$ (J2000)
 $l: 49.02$ $b: 35.93$

DATE: 1979/228 - 1979/228
 LIVETIME: 1534.3s
 ROLL ANGLE: 68.6°

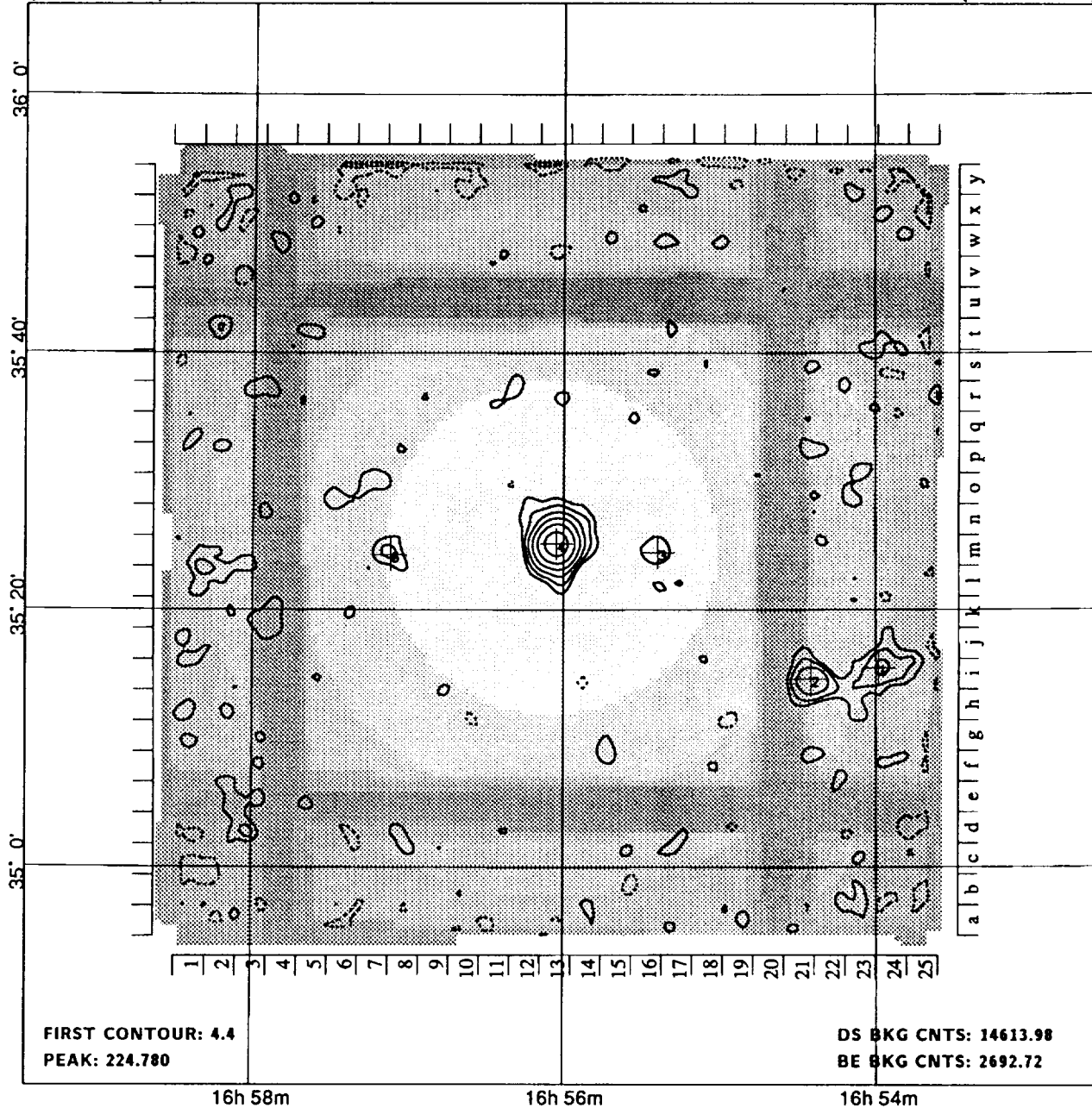
NH: $4.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3790	1	16 55 58.6	27 56 10	36	0.0211	0.0046	24.2	3.8	4.6	2.7	0	0.6	H	

(16h 56m)

I 7397

(16h 56m)



HZ HER, STELLAR WIND OF X-RAY BINARY COMPANION

FIELD CENTER: $16^{\text{h}}56^{\text{m}}01.5^{\text{s}}$ $35^{\circ}25'04''$ (B1950)
 $16^{\text{h}}57^{\text{m}}49.6^{\text{s}}$ $35^{\circ}20'32''$ (J2000)
 $l: 58.15$ $b: 37.52$

DATE: 1980/ 67 - 1980/ 71
 LIVETIME: 12267.4s
 ROLL ANGLE: -90.1°

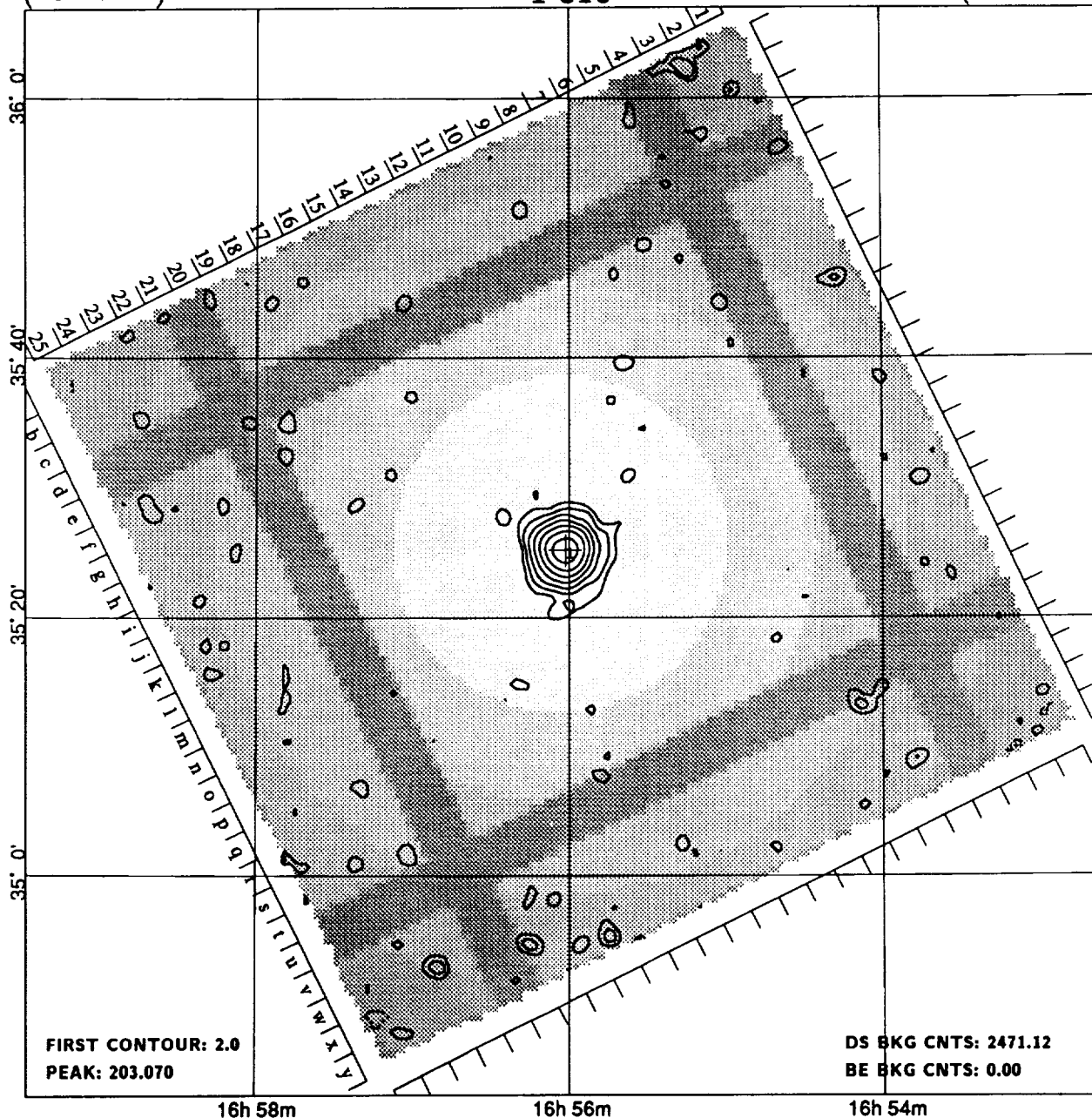
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3785	1	16 53 58.9	35 15 28	51	0.0101	0.0018	48.7	25.3	5.7	3.7	0	26.6	H	
3786	2	16 54 24.8	35 14 38	50	*0.0167	0.0019	95.4	22.6	8.8	2.2	703	22.5	H	
3788	3	16 55 23.6	35 24 27	43	0.0038	0.0010	32.3	41.7	3.8	0.6	0	7.9		
3791	4	16 56 02.8	35 25 09	31	0.1061	0.0035	971.0	42.0	30.5	1.3	0	0.4	AH	
3795	5	16 57 06.9	35 24 16	43	0.0048	0.0011	37.4	37.6	4.3	0.7	0	13.5	H	

(16h 56m)

I 816

(16h 56m)



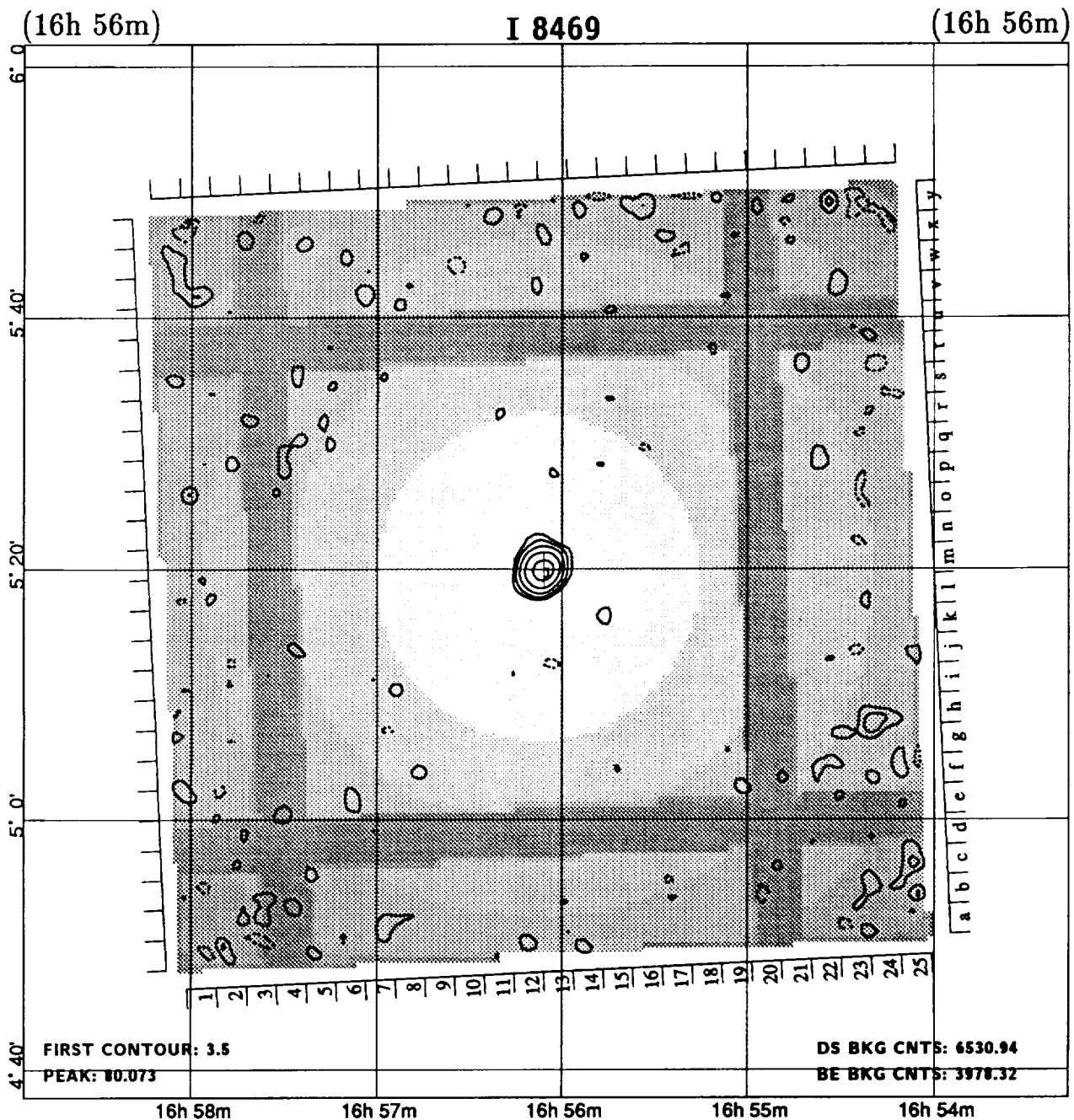
HER X-1 INTERSTELLAR GRAIN HALO

FIELD CENTER: $16^{\text{h}}56^{\text{m}}01.9^{\text{s}}$ $35^{\circ}25'02''$ (B1950)
 $16^{\text{h}}57^{\text{m}}50.0^{\text{s}}$ $35^{\circ}20'30''$ (J2000)
 $l: 58.15$ $b: 37.52$

DATE: 1980/223 - 1980/223
 LIVETIME: 2002.4s
 ROLL ANGLE: 63.8°

NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3791	1L	16 56 01.5	35 25 09	31	0.541	0.023	807.0	112.0	23.3	1.4	0	0.1	A	



NEW TYPE OF EXTRAGALACTIC OBJECT: 1656+053

FIELD CENTER: $16^h56^m05.5^s$ $05^\circ19'46''$ (B1950)
 $16^h56^m33.3^s$ $05^\circ15'16''$ (J2000)
 $l: 24.30$ $b: 27.44$

DATE: 1981/ 71 - 1981/ 71
 LIVETIME: 5292.2s
 ROLL ANGLE: -92.7°

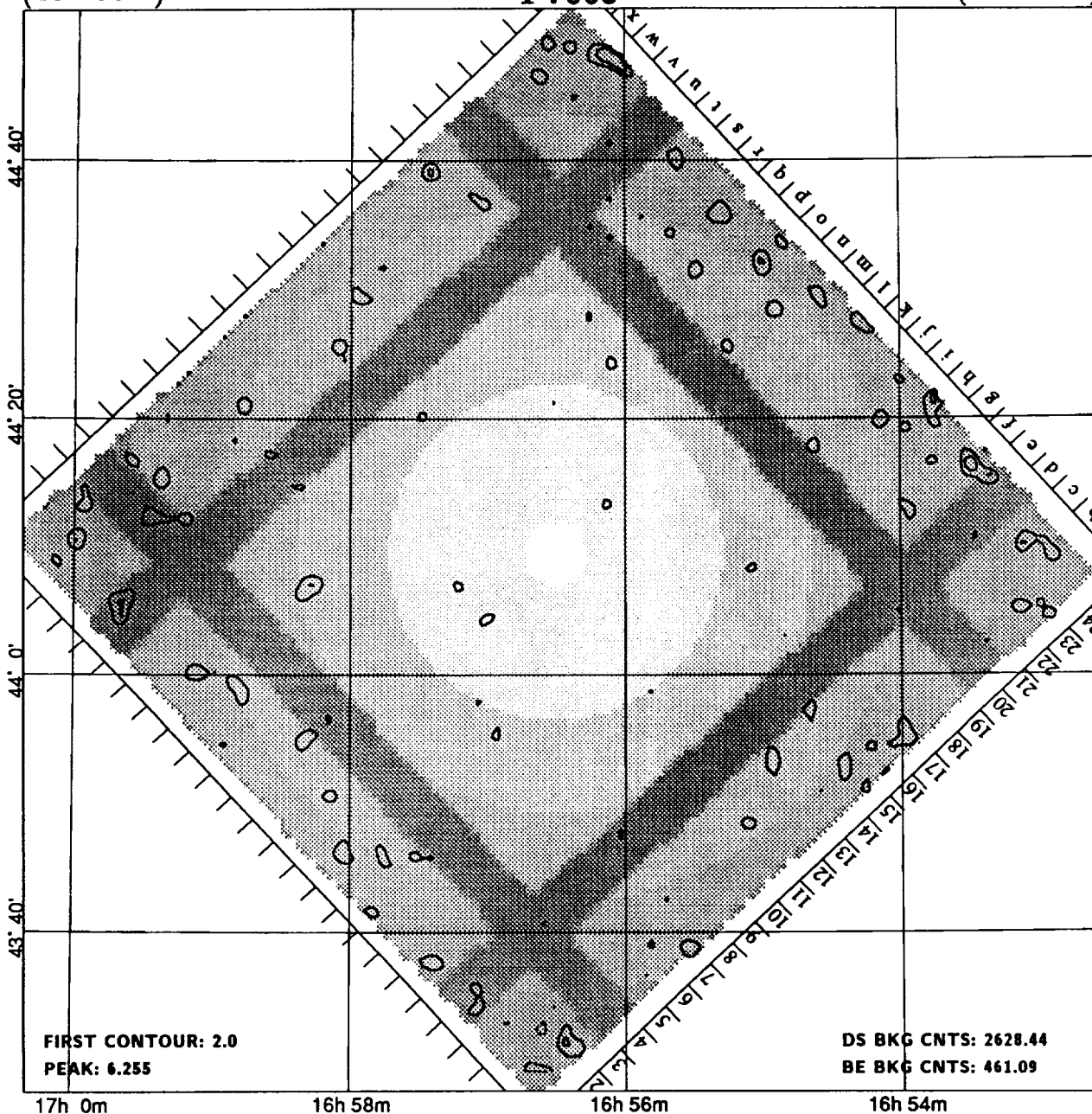
NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3792	1L	16 56 05.9	05 19 55	31	0.0849	0.0057	334.8	53.2	14.8	1.2	0	0.2	

(16h 56m)

I 7668

(16h 56m)



FIELD CENTER: $16^h 56^m 27.9^s$ $44^\circ 09' 47''$ (B1950)
 $16^h 57^m 59.3^s$ $44^\circ 05' 16''$ (J2000)
 $l: 69.19$ $b: 38.38$

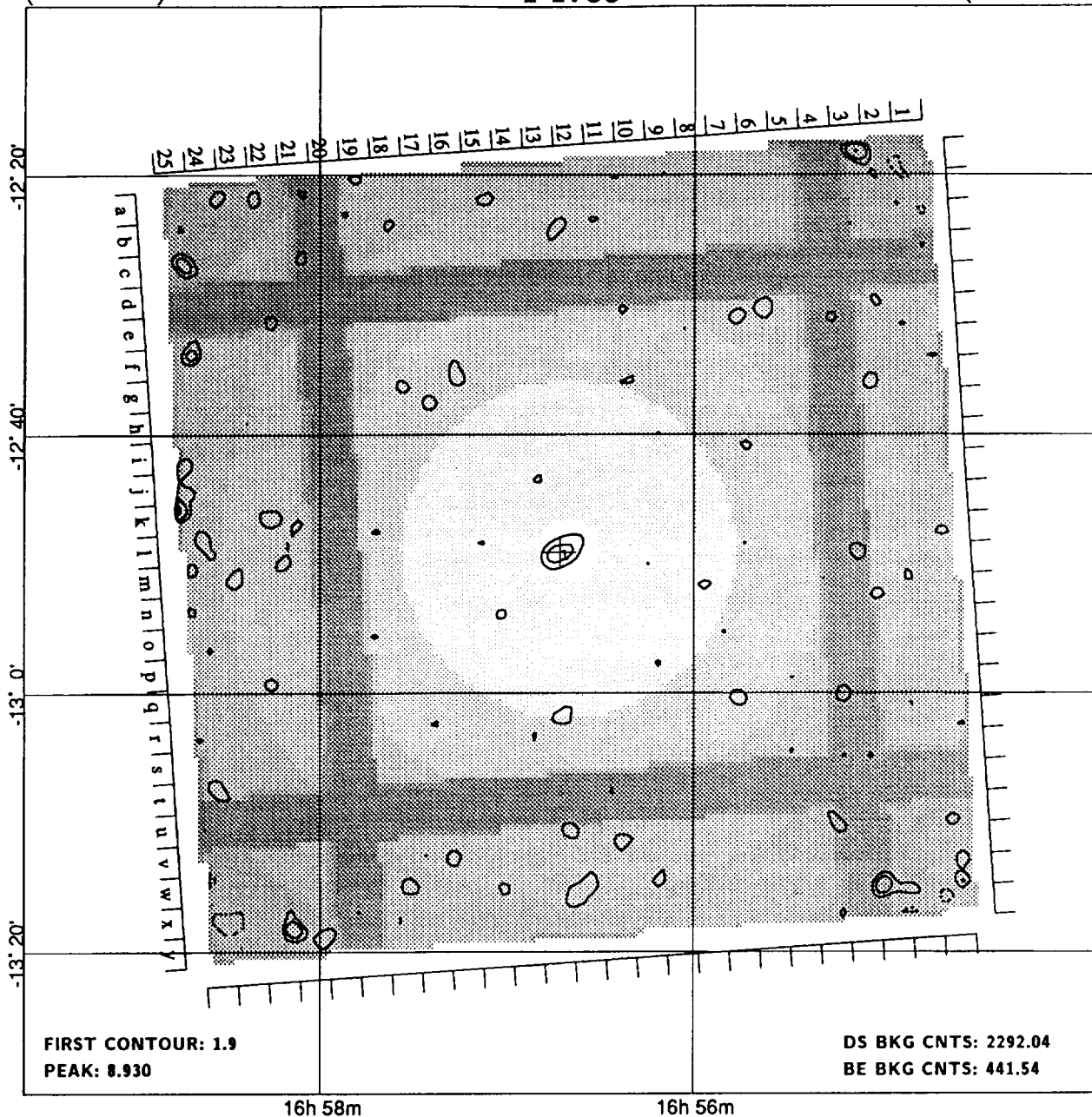
DATE: 1980/ 22 - 1980/ 22
LIVETIME: 2129.9s
ROLL ANGLE: -133.1°

NH: $1.9E+20$
REF/ID:
FIELD FLAGS:

(16h 56m)

I 1755

(16h 56m)



U841 OPH, OPTICAL NOVA

FIELD CENTER: $16^{\text{h}}56^{\text{m}}42.0^{\text{s}}$ $-12^{\circ}48'57''$ (B1950)
 $16^{\text{h}}59^{\text{m}}30.4^{\text{s}}$ $-12^{\circ}53'24''$ (J2000)
 ℓ : 7.62 b : 17.78

DATE: 1979/265 - 1979/265
 LIVETIME: 1857.3s
 ROLL ANGLE: 86.1°

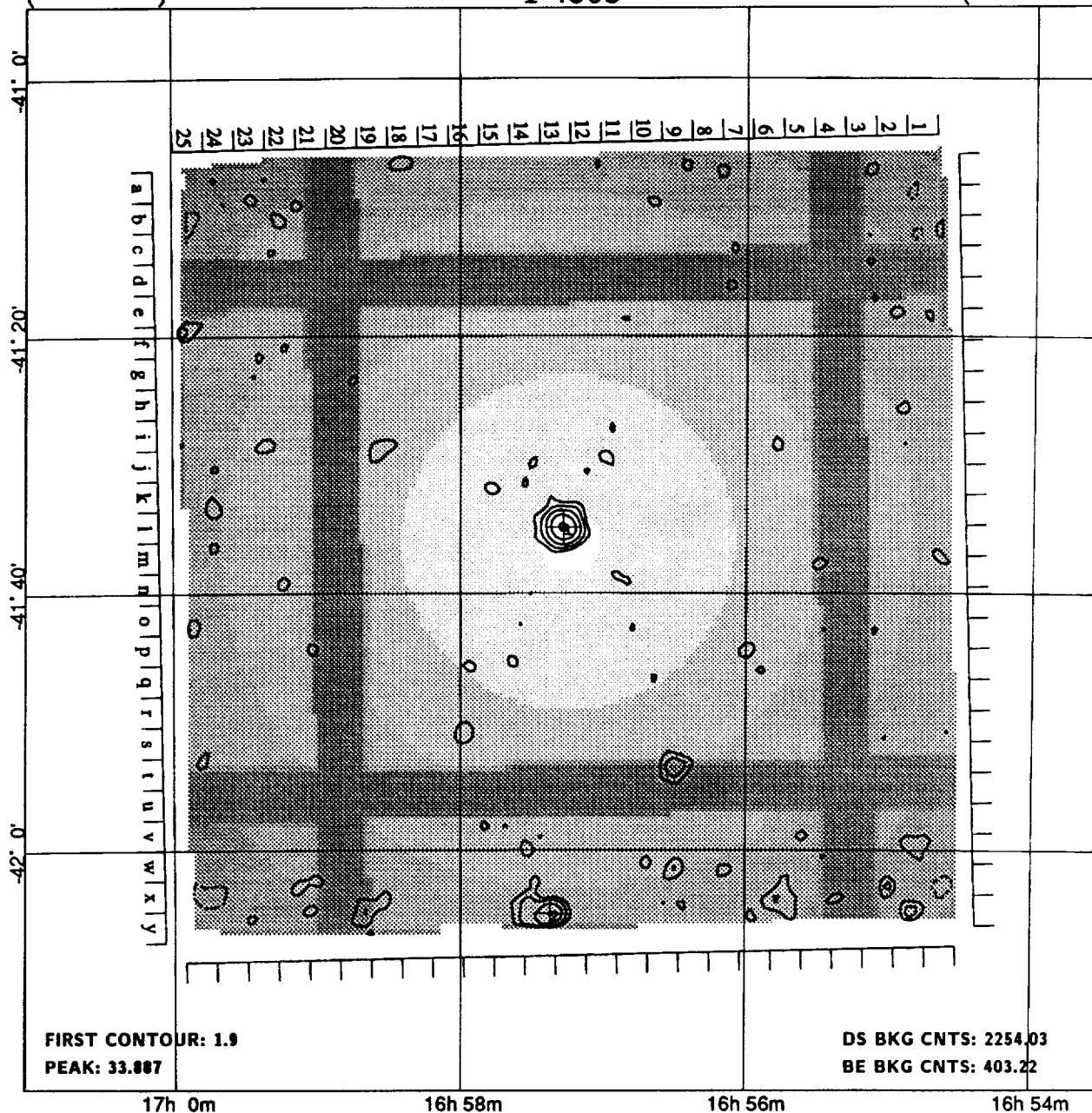
NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3793	1	16 56 42.8	-12 49 04	37	0.0164	0.0040	22.6	7.4	4.1	0.8	0	0.2	H	SNR

(16h 57m)

I 4503

(16h 57m)

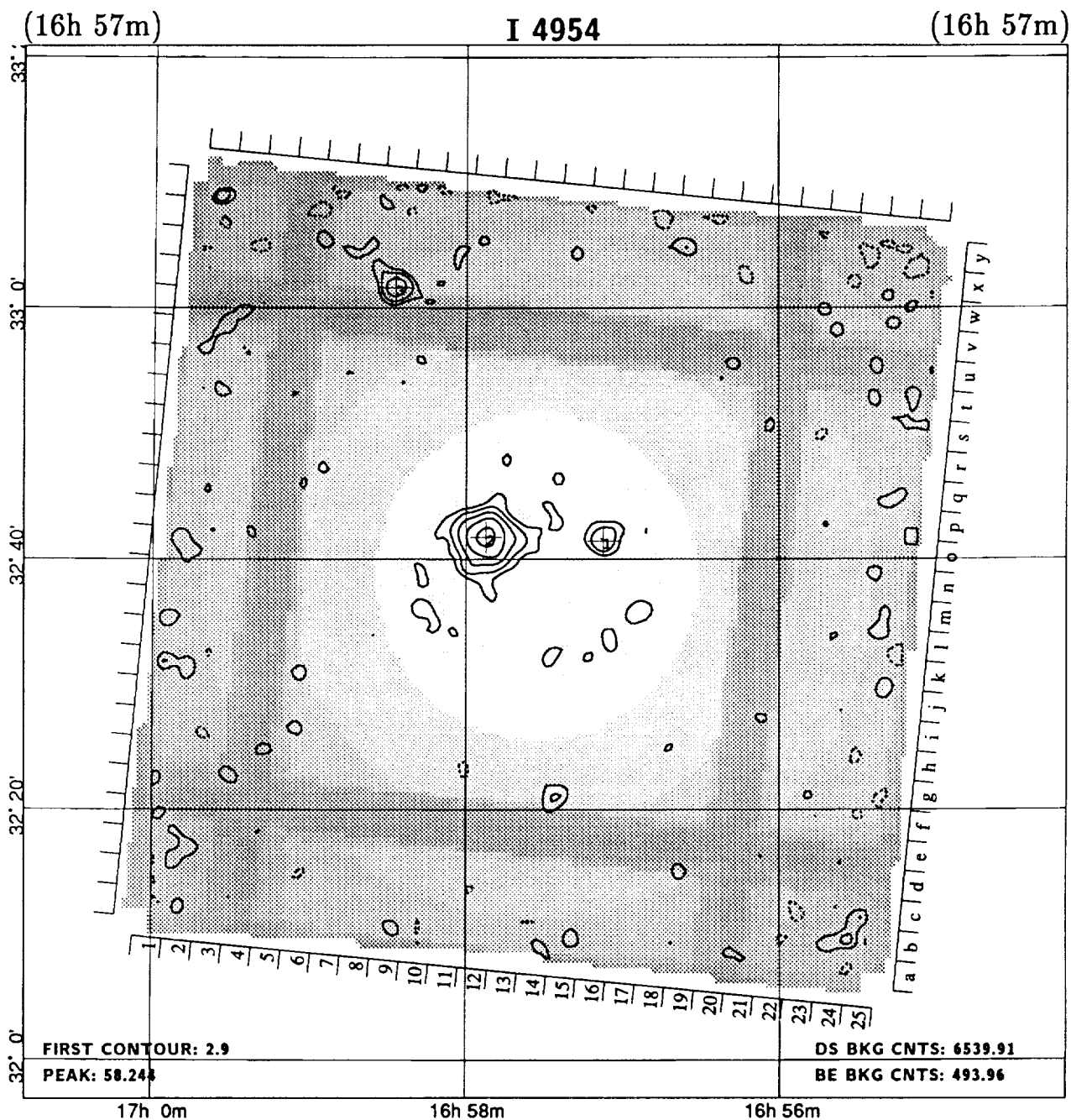


FIELD CENTER: 16^h57^m16.7^s -41°36'35" (B1950)
17^h00^m47.8^s -41°40'59" (J2000)
 ℓ : 344.35 b : 0.31

DATE: 1979/237 - 1979/237
LIVETIME: 1826.5s
ROLL ANGLE: 88.8°

NH: 8.5E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3797	1	16 57 16.7	-41 34 51	31	0.0874	0.0083	118.5	7.5	10.6	1.0	0	1.7	AH	P
3798	2	16 57 22.2	-42 04 56	51	*0.0479	0.0095	29.5	4.5	5.1	1.2	703	28.4	EH	*



A2241,X-RAY SURFACE BRIGHTNESS DISTRIBUTION

FIELD CENTER: $16^{\text{h}}57^{\text{m}}30.0^{\text{s}}$ $32^{\circ}38'59''$ (B1950)
 $16^{\text{h}}59^{\text{m}}22.5^{\text{s}}$ $32^{\circ}34'34''$ (J2000)
 ℓ : 54.81 b : 36.71

DATE: 1980/ 74 - 1980/ 74
LIVETIME: 5489.8s
ROLL ANGLE: -84.4°

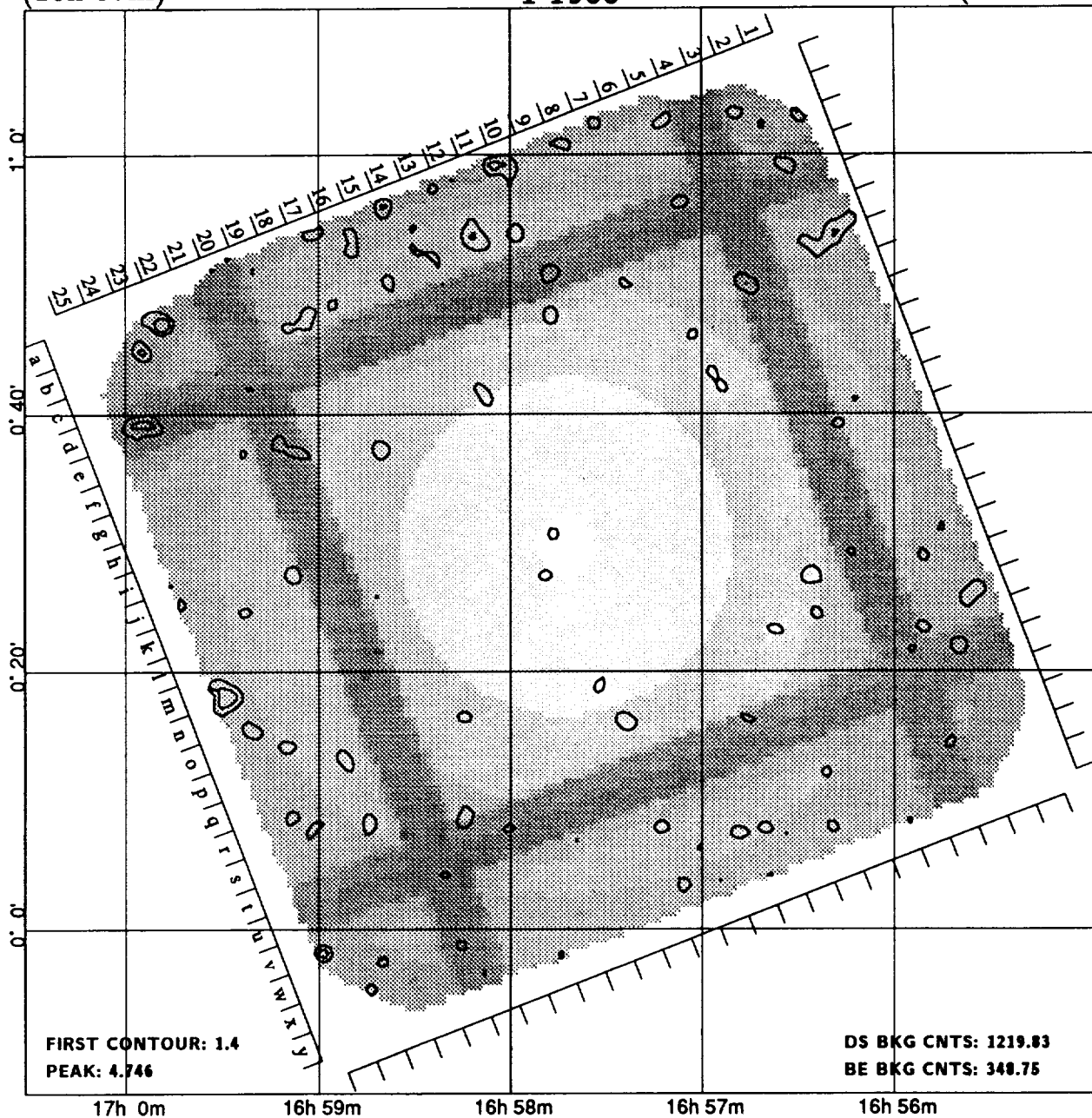
NH: $2.4\text{E}+20$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3796	1	16 57 07.3	32 41 25	42	0.0097	0.0019	37.5	15.5	5.2	0.8	0	5.7	H
3799	2	16 57 52.4	32 41 42	38	0.0676	0.0043	264.6	18.4	15.7	1.6	0	5.4	H
3800	3	16 58 27.3	33 01 37	51	*0.0175	0.0030	40.2	7.8	5.8	0.9	703	25.8	H

(16h 57m)

I 1966

(16h 57m)

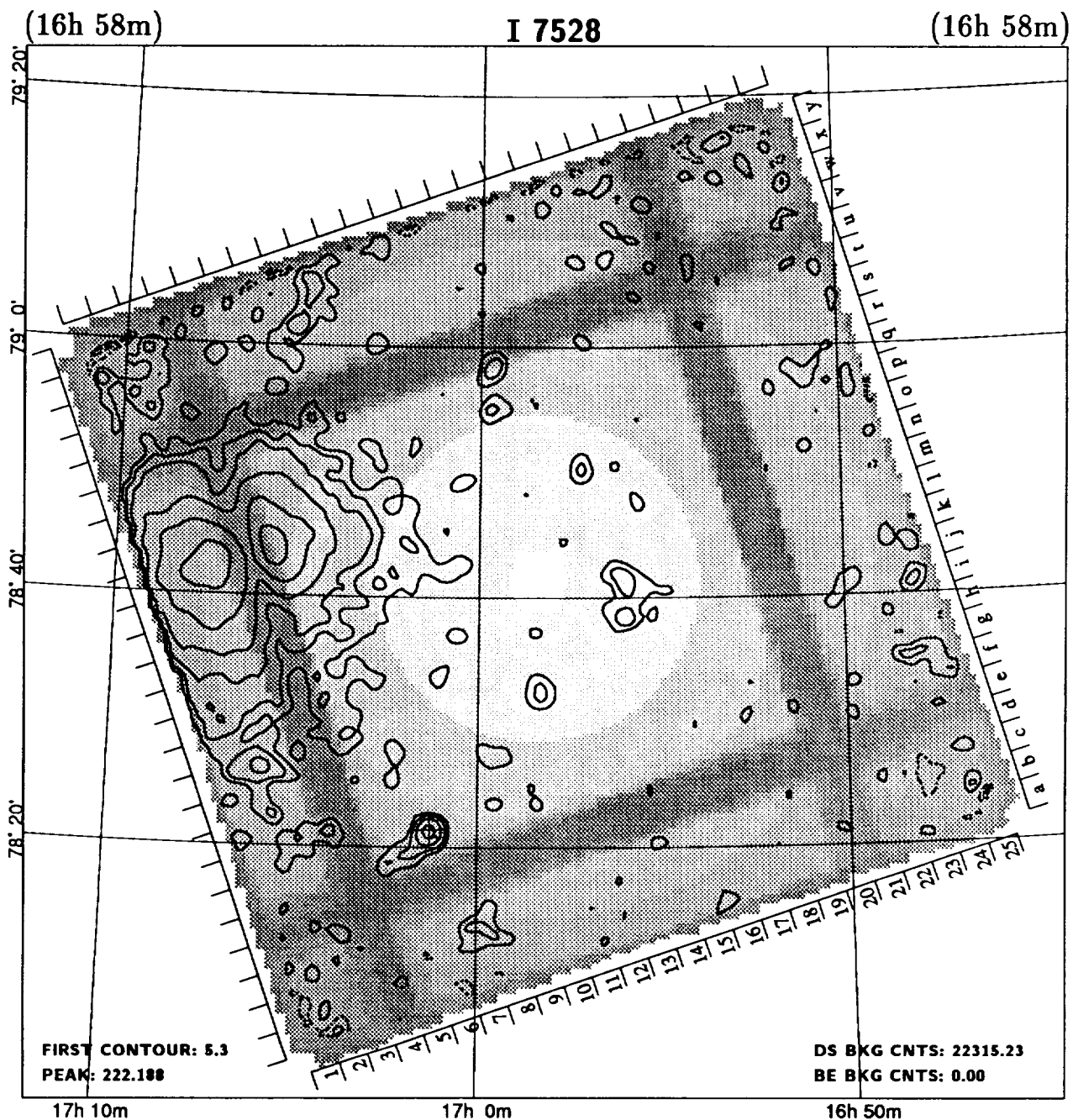


4C 00.63: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $16^{\text{h}}57^{\text{m}}43.4^{\text{s}}$ $00^{\circ}29'16''$ (B1950)
 $17^{\text{h}}00^{\text{m}}16.6^{\text{s}}$ $00^{\circ}24'53''$ (J2000)
 $l: 19.81$ $b: 24.72$

DATE: 1980/237 - 1980/237
 LIVETIME: 988.5s
 ROLL ANGLE: 69.0°

NH: $7.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:



A2256 OFFSET POINTING POSITIONS

FIELD CENTER: $16^{\text{h}}58^{\text{m}}13.9^{\text{s}}$ $78^{\circ}41'59''$ (B1950)
 $16^{\text{h}}55^{\text{m}}27.1^{\text{s}}$ $78^{\circ}37'26''$ (J2000)
 ℓ : 111.17 b : 32.15

DATE: 1980/ 44 - 1980/ 47
 LIVETIME: 18082.7s
 ROLL ANGLE: -108.7°

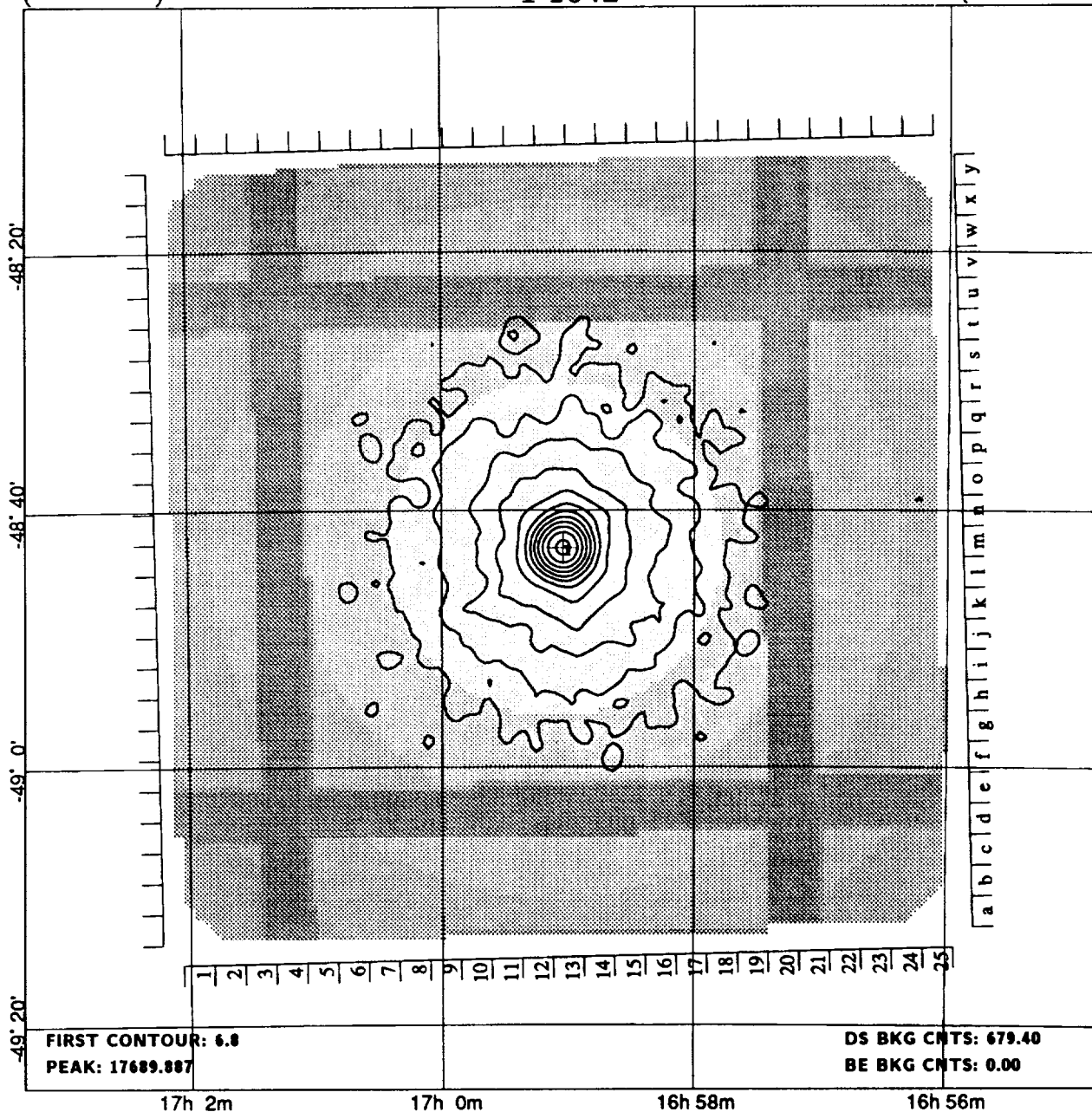
NH: $4.1\text{E}+20$
 REF/ID: CLG
 FIELD FLAGS: DLS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3812	1L	17 01 16.4	78 21 24	48	0.0128	0.0017	111.3	42.7	7.4	1.2	100	22.5		

(16h 59m)

I 1042

(16h 59m)



4U 1658-48, GALACTIC SOURCE LOCATION AND SPECTRA

FIELD CENTER: $16^{\text{h}}59^{\text{m}}01.9^{\text{s}}$ $-48^{\circ}43'05''$ (B1950)
 $17^{\text{h}}02^{\text{m}}49.3^{\text{s}}$ $-48^{\circ}47'21''$ (J2000)
 $l: 338.94$ $b: -4.33$

DATE: 1979/ 67 - 1979/ 68
 LIVETIME: 550.6s
 ROLL ANGLE: -91.3°

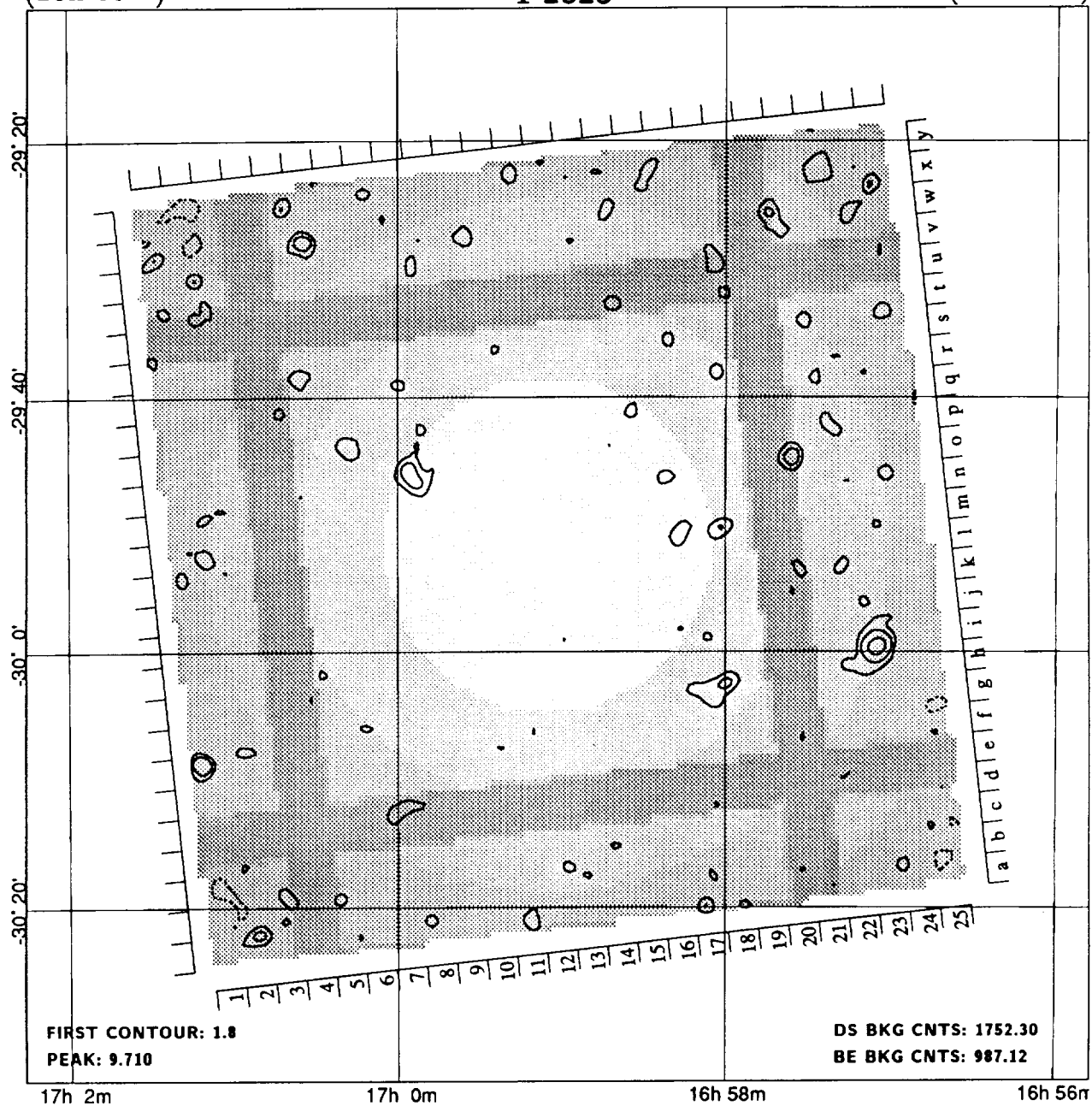
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: LT

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3803	1L	16 59 02.3	-48 42 55	31	163.05	0.71	66955.2	2385.7	228.5	1.4	0	0.2	

(16h 59m)

I 2823

(16h 59m)



X-RAY BURST SOURCES: MXB1659-29

FIELD CENTER: $16^{\text{h}}59^{\text{m}}01.9^{\text{s}}$ $-29^{\circ}51'35''$ (B1950)
 $17^{\text{h}}02^{\text{m}}12.8^{\text{s}}$ $-29^{\circ}55'52''$ (J2000)
 ℓ : 353.85 b : 7.26

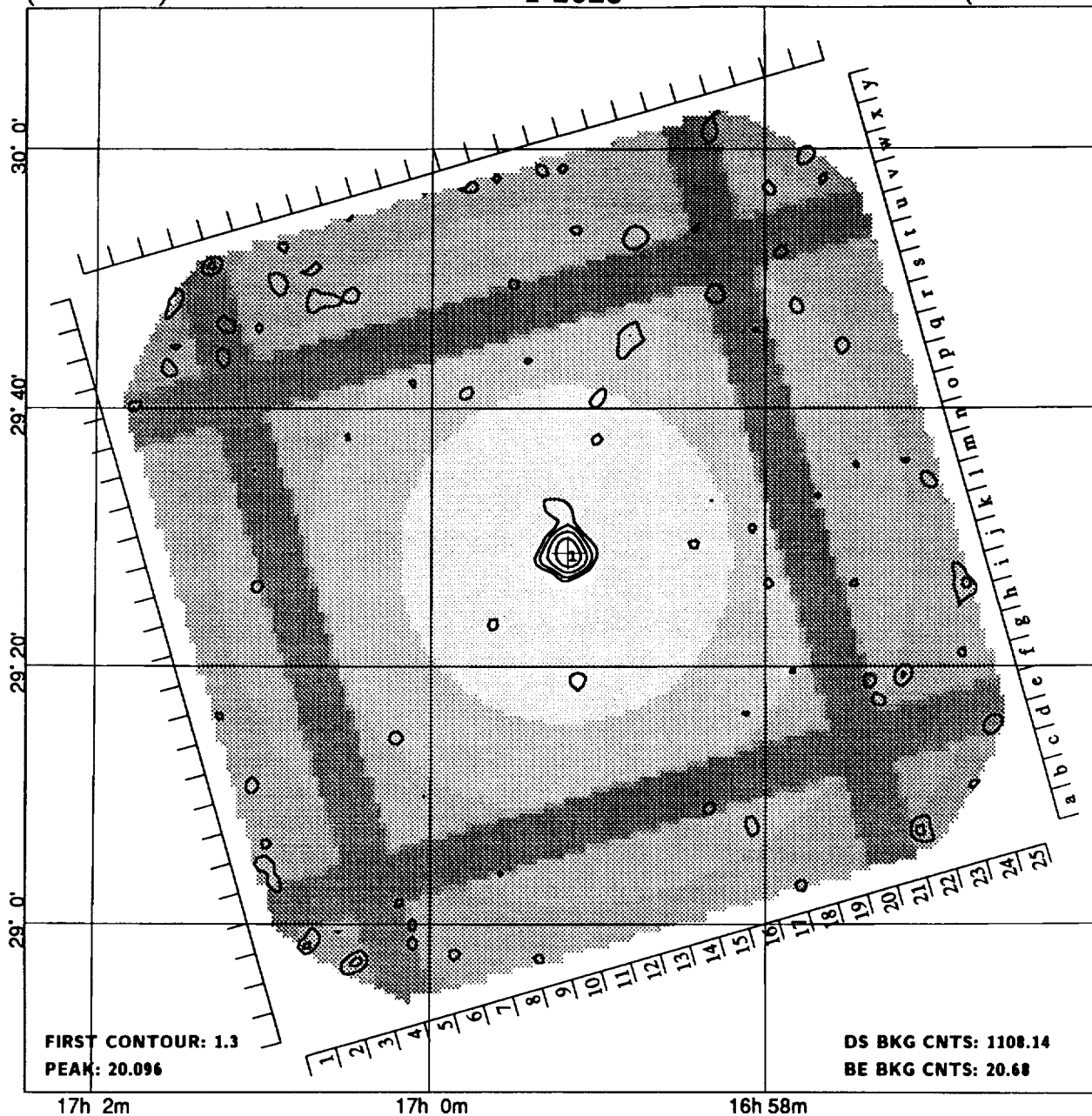
DATE: 1979/ 67 - 1979/ 67
 LIVETIME: 1419.9s
 ROLL ANGLE: -96.2°

NH: $1.9\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(16h 59m)

I 2628

(16h 59m)



SEYFERT GALAXY SURVEY: MKN 504

FIELD CENTER: $16^{\text{h}}59^{\text{m}}11.9^{\text{s}}$ $29^{\circ}28'59''$ (B1950)
 $17^{\text{h}}01^{\text{m}}09.2^{\text{s}}$ $29^{\circ}24'41''$ (J2000)
 $l: 51.09$ $b: 35.65$

DATE: 1979/ 57 - 1979/ 57
 LIVETIME: 898.0s
 ROLL ANGLE: -106.0°

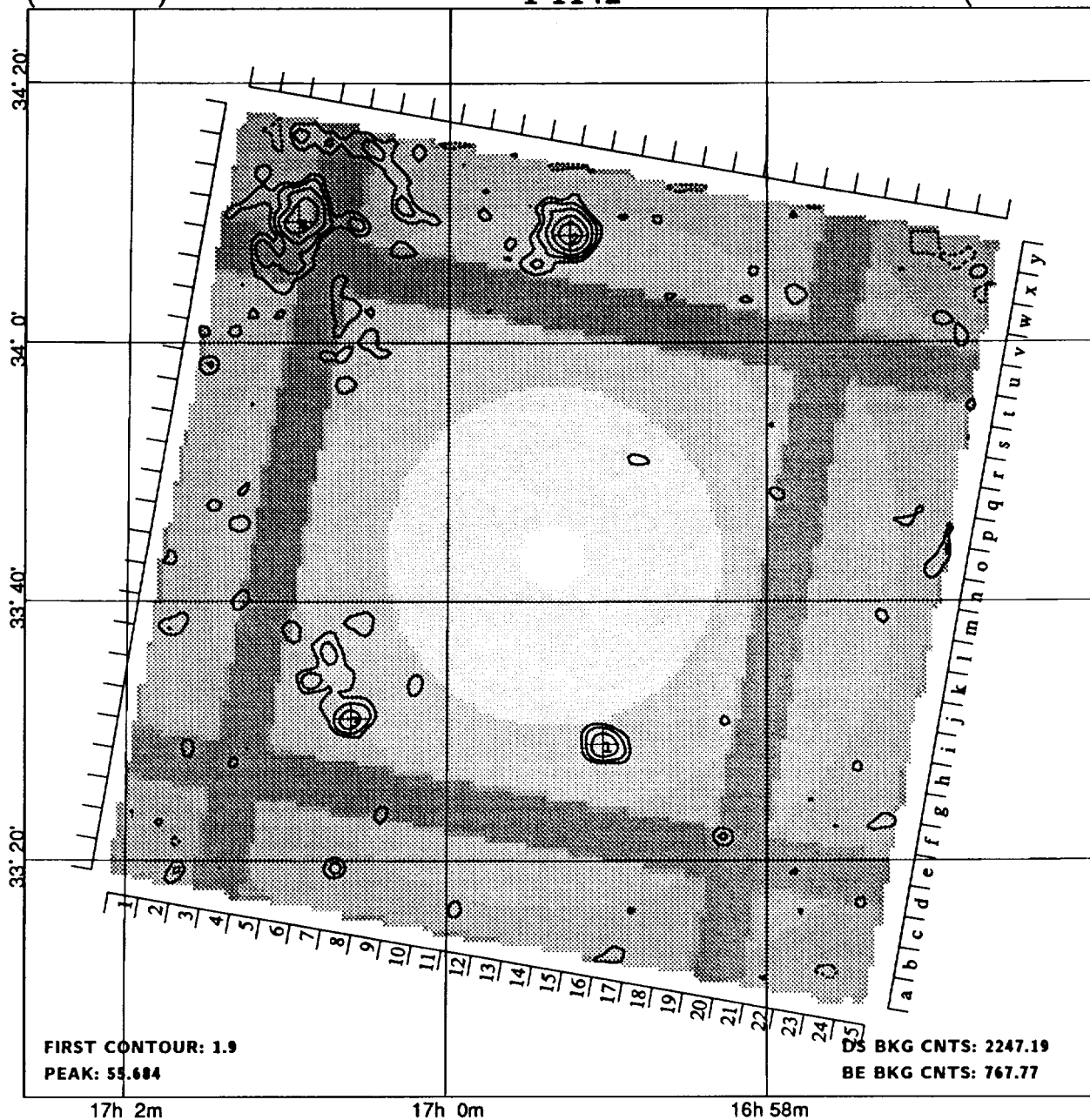
NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3804	1	16 59 10.8	29 28 48	31	0.123	0.014	82.2	2.8	8.9	1.2	0	0.2	H	SY

(16h 59m)

I 1142

(16h 59m)



FIELD CENTER: $16^{\text{h}}59^{\text{m}}16.8^{\text{s}}$ $33^{\circ}43'47''$ (B1950)
 $17^{\text{h}}01^{\text{m}}07.5^{\text{s}}$ $33^{\circ}39'29''$ (J2000)
 ℓ : 56.22 b : 36.56

DATE: 1980/ 81 - 1980/ 82
 LIVETIME: 1886.4s
 ROLL ANGLE: -80.1°

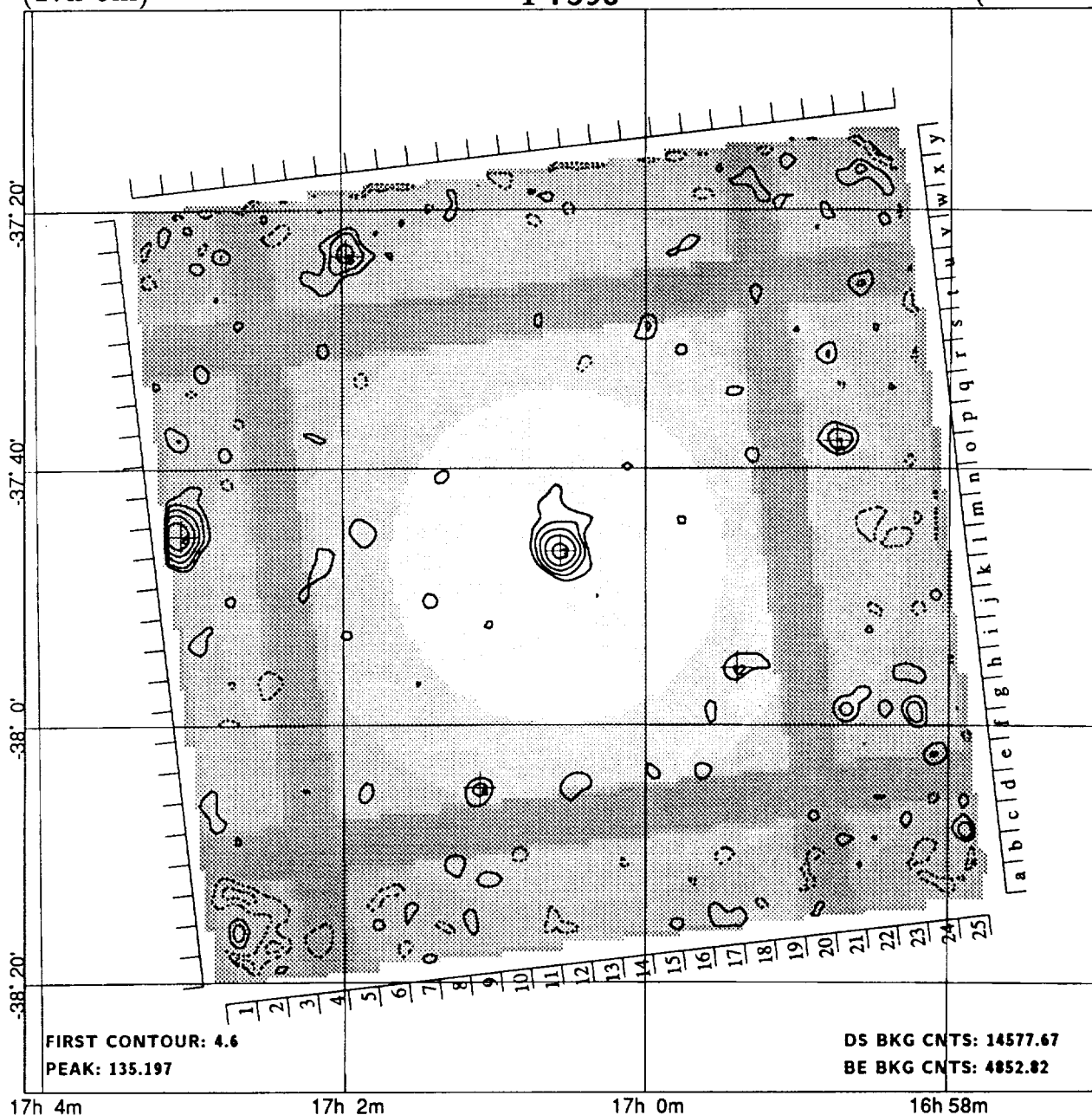
NH: $2.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3802	1	16 59 01.3	33 29 01	41	0.0416	0.0065	46.5	6.5	6.4	1.0	0	14.9	AH	
3805	2	16 59 14.3	34 08 15	48	0.145	0.014	118.1	4.9	10.6	1.2	0	24.4	AH	
3808	3	17 00 36.3	33 31 01	51	0.0302	0.0062	28.9	6.1	4.9	1.9	0	20.9	H	
3809	4	17 00 57.0	34 09 19	50	*0.093	0.013	53.6	3.4	7.1	2.1	1003	33.2	AH	CLG

(17h 0m)

I 7398

(17h 0m)



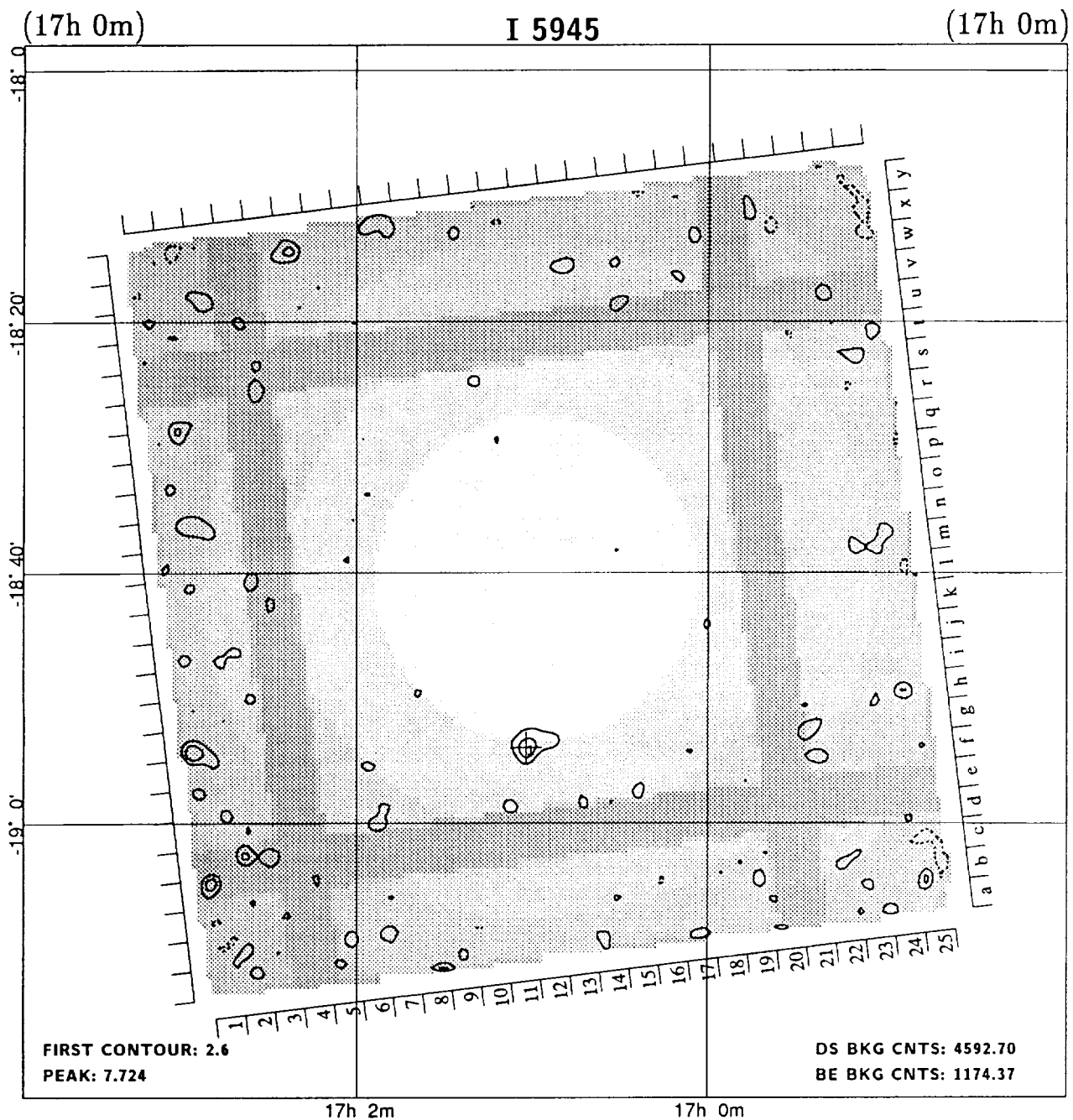
HD 153919, STELLAR WIND OF X-RAY BINARY COMPANION

FIELD CENTER: $17^{\text{h}}00^{\text{m}}32.7^{\text{s}}$ $-37^{\circ}46'28''$ (B1950)
 $17^{\text{h}}03^{\text{m}}56.7^{\text{s}}$ $-37^{\circ}50'38''$ (J2000)
 $l: 347.75$ $b: 2.17$

DATE: 1980/ 69 - 1980/ 70
 LIVETIME: 12237.0s
 ROLL ANGLE: -96.6°

NH: $5.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3801	1	16 58 44.3	-37 37 51	55	0.0070	0.0015	38.6	30.4	4.6	0.8	0	22.9	H
3806	2	16 59 23.8	-37 55 30	56	0.0041	0.0011	28.4	35.6	3.5	0.7	0	16.2	H
3807	3	17 00 33.9	-37 46 26	31	0.0409	0.0022	373.0	48.0	18.2	1.2	0	0.4	H
3811	4	17 01 06.0	-38 04 50	55	0.0043	0.0012	27.9	31.1	3.6	0.6	500	19.5	H
3815	5	17 01 58.3	-37 23 32	51	0.0115	0.0020	52.2	30.8	5.7	1.3	0	28.8	H
3821	6	17 03 03.6	-37 45 11	47	*0.0579	0.0039	235.5	20.5	14.7	1.1	703	30.0	H



RADIO PULSAR PROJECT:

FIELD CENTER: 17^h00^m56.0^s -18°39'59" (B1950)
 17^h03^m51.6^s -18°44'09" (J2000)
 ℓ : 3.26 b : 13.58

DATE: 1980/ 53 - 1980/ 53
 LIVETIME: 3721.6s
 ROLL ANGLE: -96.8°

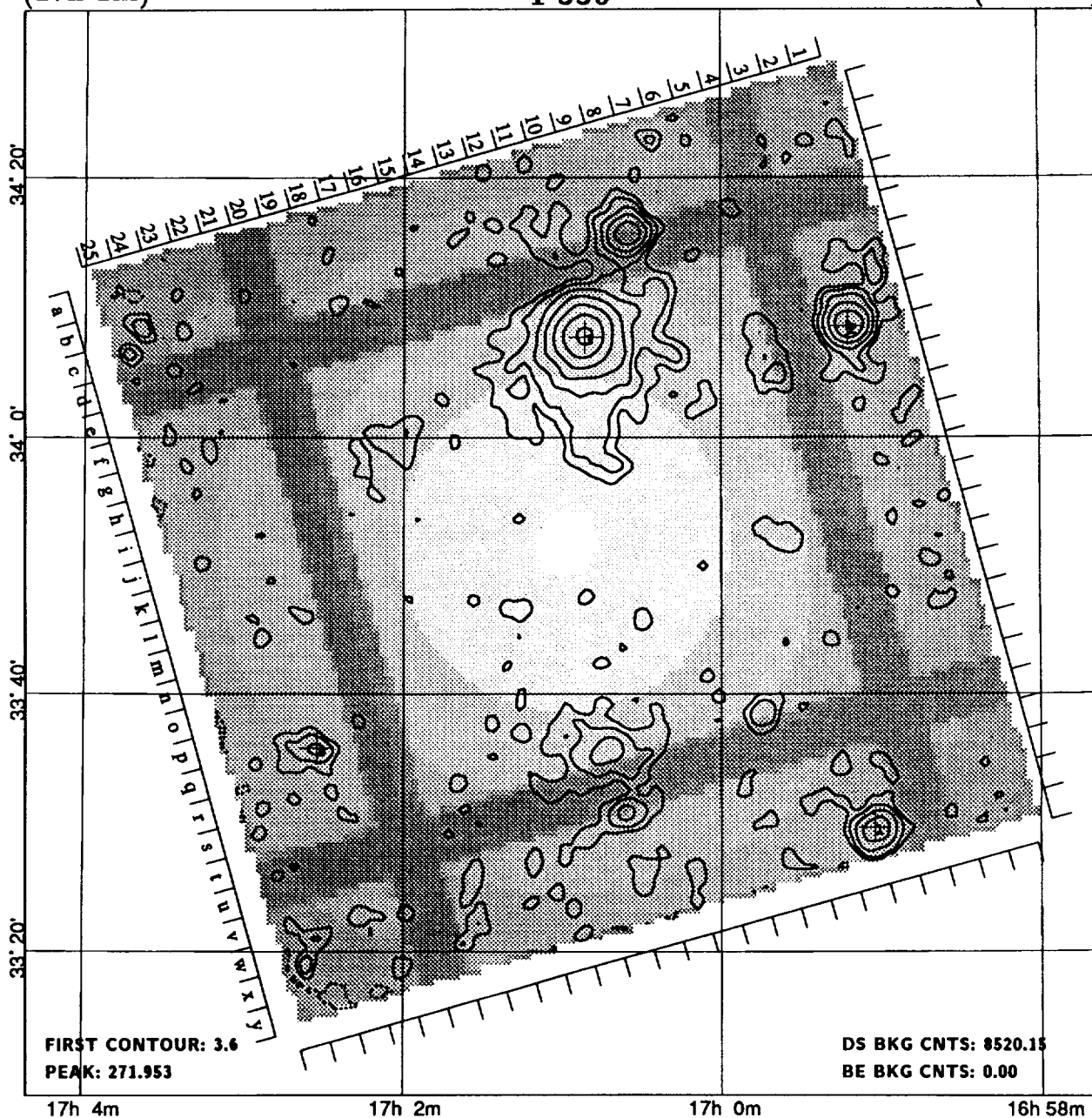
NH: 1.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3810	1	17 01 02.0	-18 53 59	44	0.0096	0.0025	22.0	12.0	3.8	0.9	0	13.5	AH	*

(17h 1m)

I 330

(17h 1m)



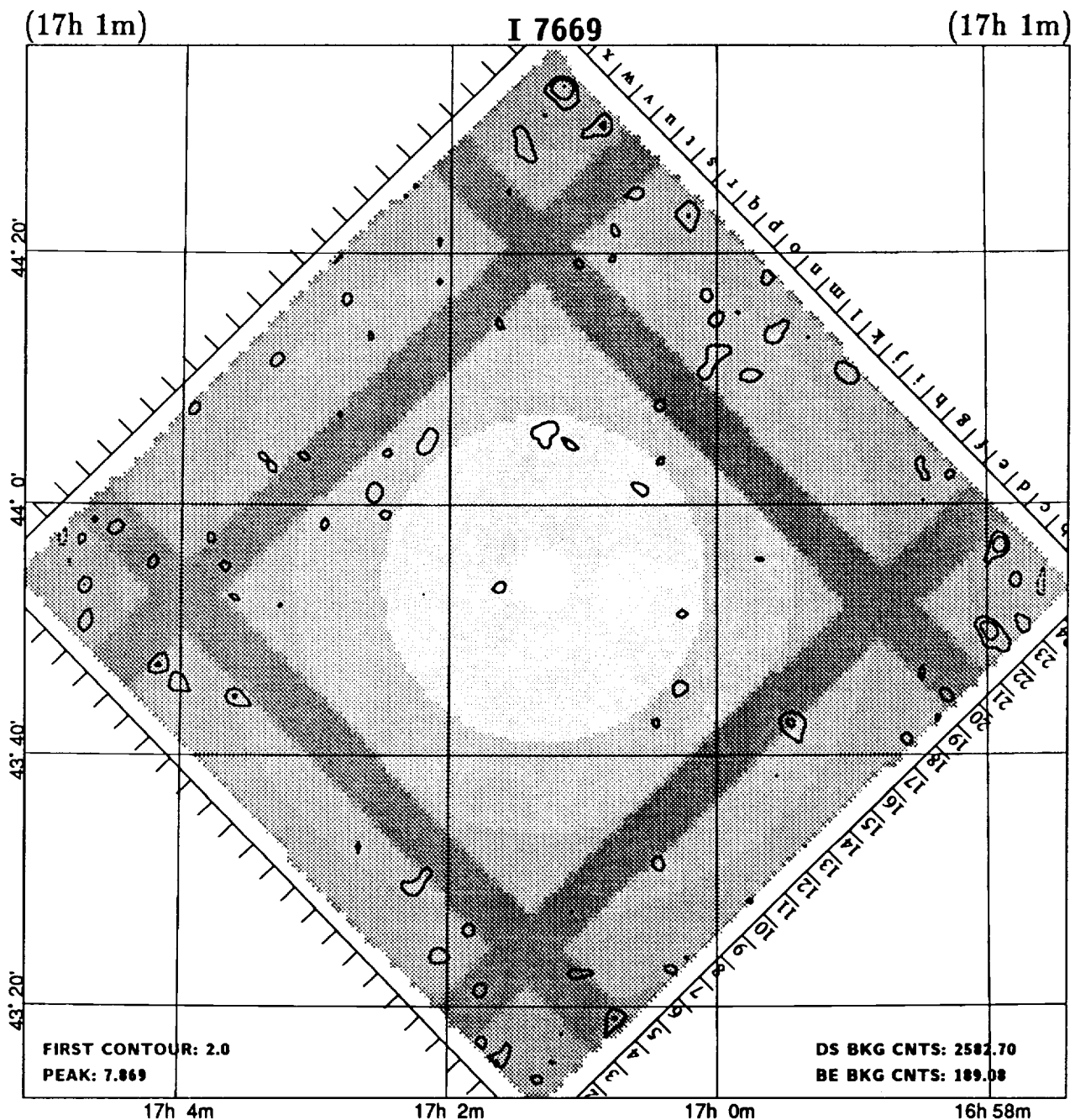
A 2244 2245 SUPERCLUSTER STUDY

FIELD CENTER: $17^{\text{h}}01^{\text{m}}00.0^{\text{s}}$ $33^{\circ}50'59''$ (B1950)
 $17^{\text{h}}02^{\text{m}}50.4^{\text{s}}$ $33^{\circ}46'48''$ (J2000)
 $l: 56.45$ $b: 36.23$

DATE: 1979/237 - 1979/237
 LIVETIME: 6904.1s
 ROLL ANGLE: 74.4°

NH: $2.0\text{E}+20$
 REF/ID: !
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3802	1L	16 59 02.4	33 29 41	50	0.0350	0.0055	73.9	24.1	6.2	1.2	0	32.3	A	
3805	2L	16 59 12.2	34 08 30	47	0.0781	0.0068	208.0	43.0	11.3	1.5	0	28.3	A	
3809	3L	17 00 51.5	34 07 40	47	0.1647	0.0096	652.7	351.3	17.1	3.1	0	16.9	A	CLG
3818	4L	17 02 32.6	33 35 47	51	0.0111	0.0029	32.6	18.4	3.7	1.2	0	24.6		



H1656+44, POSITION 2

FIELD CENTER: $17^{\text{h}}01^{\text{m}}16.9^{\text{s}}$ $43^{\circ}54'41''$ (B1950)
 $17^{\text{h}}02^{\text{m}}48.4^{\text{s}}$ $43^{\circ}50'31''$ (J2000)
 $l: 68.94$ $b: 37.51$

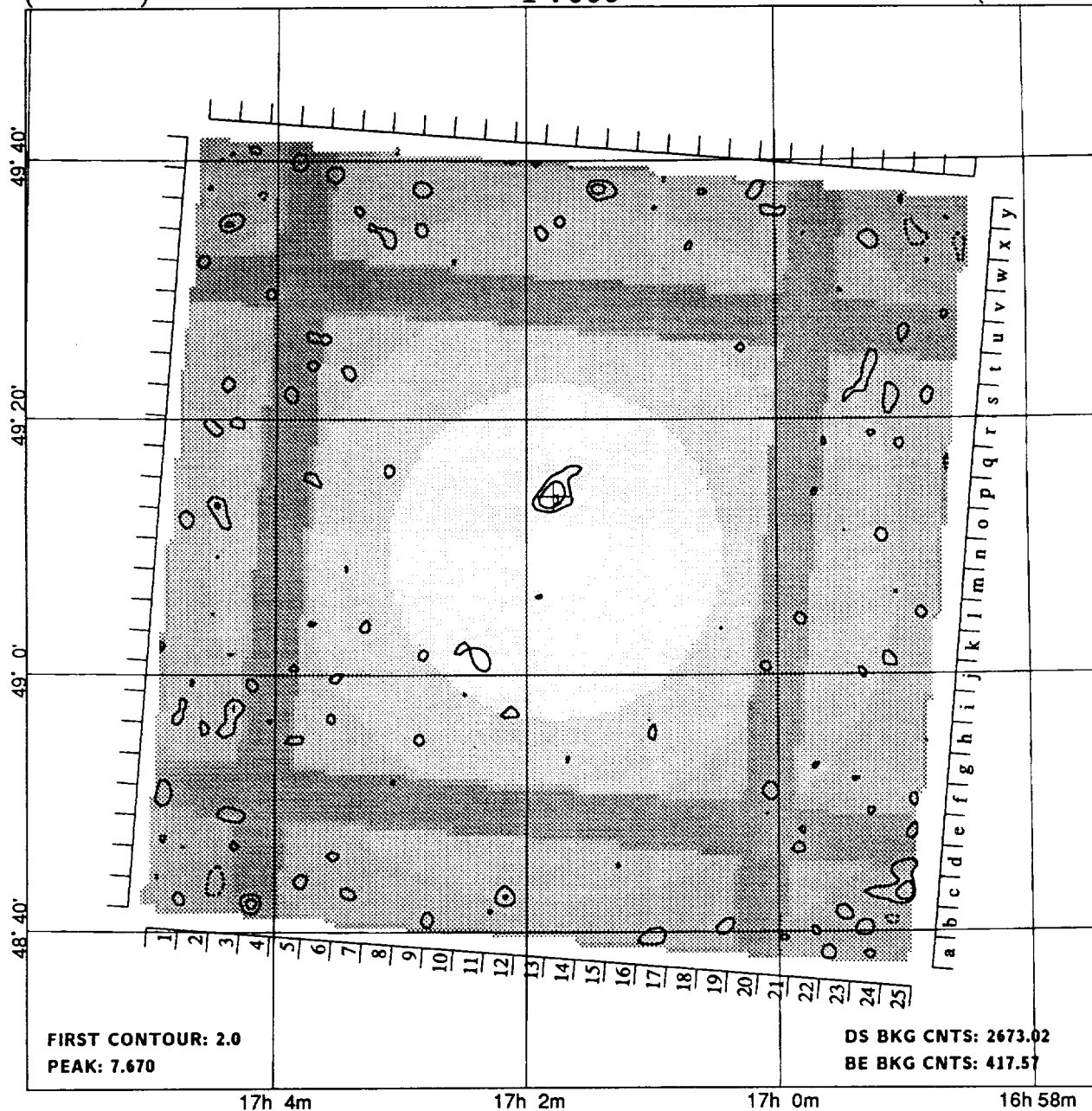
DATE: 1980/ 21 - 1980/ 21
 LIVETIME: 2092.9s
 ROLL ANGLE: -134.4°

NH: $1.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 1m)

I 7666

(17h 1m)



H1703+49, POSITION 1

FIELD CENTER: $17^h 01^m 41.9^s$ $49^\circ 09' 57''$ (B1950)
 $17^h 03^m 00.9^s$ $49^\circ 05' 47''$ (J2000)
 $l: 75.57$ $b: 37.60$

DATE: 1980/ 73 - 1980/ 73
 LIVETIME: 2243.8s
 ROLL ANGLE: -85.4°

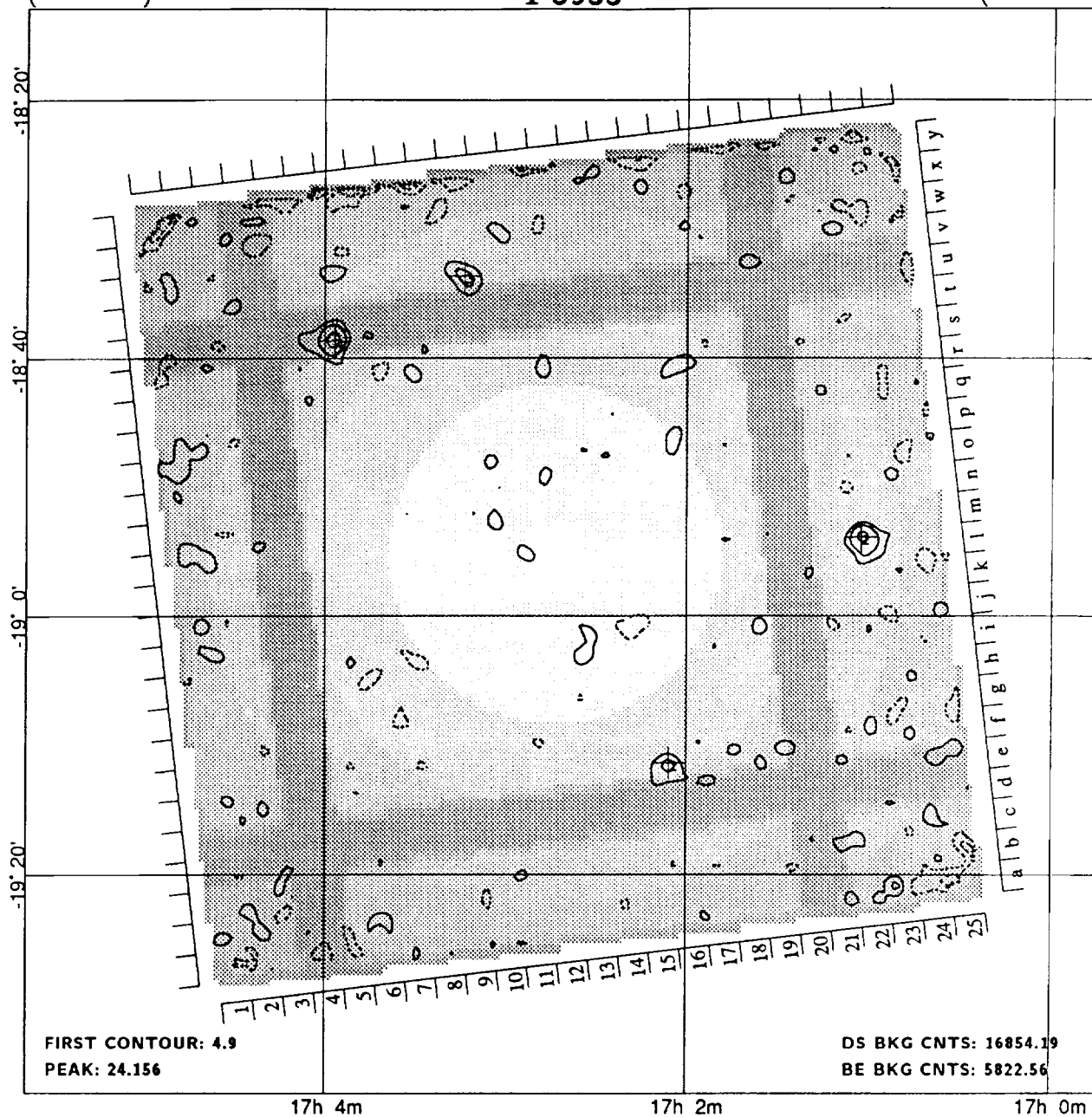
NH: $2.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3814	1	17 01 47.1	49 14 00	36	0.0164	0.0036	26.5	7.5	4.5	0.9	0	4.5	H	

(17h 2m)

I 5935

(17h 2m)



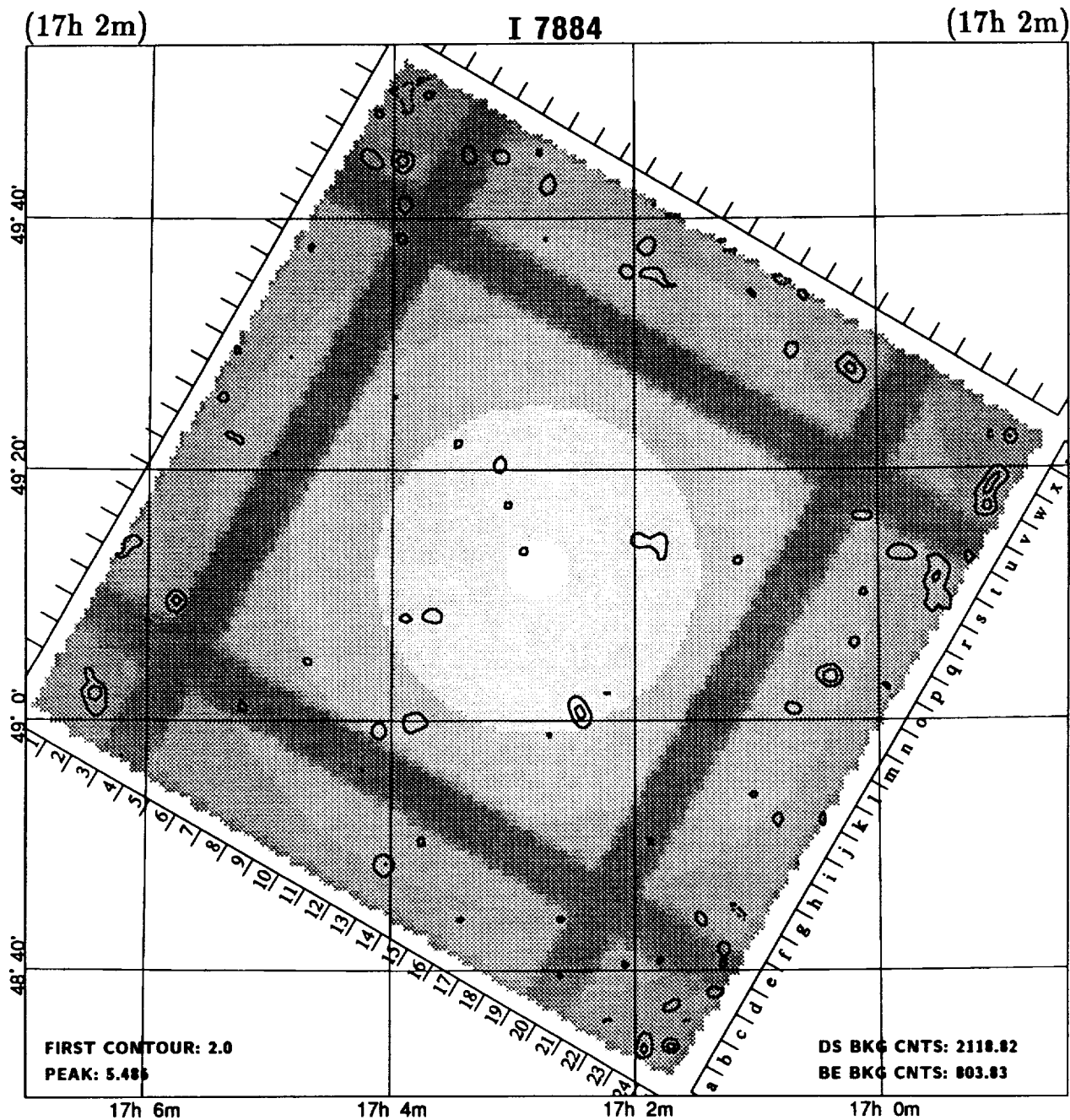
RADIO PULSAR PROJECT:

FIELD CENTER: $17^{\text{h}}02^{\text{m}}40.9^{\text{s}}$ $-18^{\circ}54'59''$ (B1950)
 $17^{\text{h}}05^{\text{m}}36.9^{\text{s}}$ $-18^{\circ}59'01''$ (J2000)
 $\ell: 3.30$ $b: 13.10$

DATE: 1980/ 52 - 1980/ 53
 LIVETIME: 13657.5s
 ROLL ANGLE: -96.7°

NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3810	1	17 01 02.4	-18 53 48	51	0.0073	0.0015	44.8	42.2	4.8	1.0	0	23.4	A	•
3816	2	17 02 05.7	-19 11 20	56	*0.0048	0.0012	35.3	36.7	4.2	0.7	601	18.5	H	
3823	3	17 03 13.6	-18 33 37	56	*0.0052	0.0013	33.1	34.9	4.0	0.7	603	22.5	H	
3827	4	17 03 56.7	-18 38 41	51	*0.0088	0.0015	53.4	29.6	5.9	0.9	1209	24.4		



H 1703+49, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: 17^h02^m43.2^s 49°11'59" (B1950)
17^h04^m02.0^s 49°07'54" (J2000)
ℓ: 75.61 *b*: 37.43

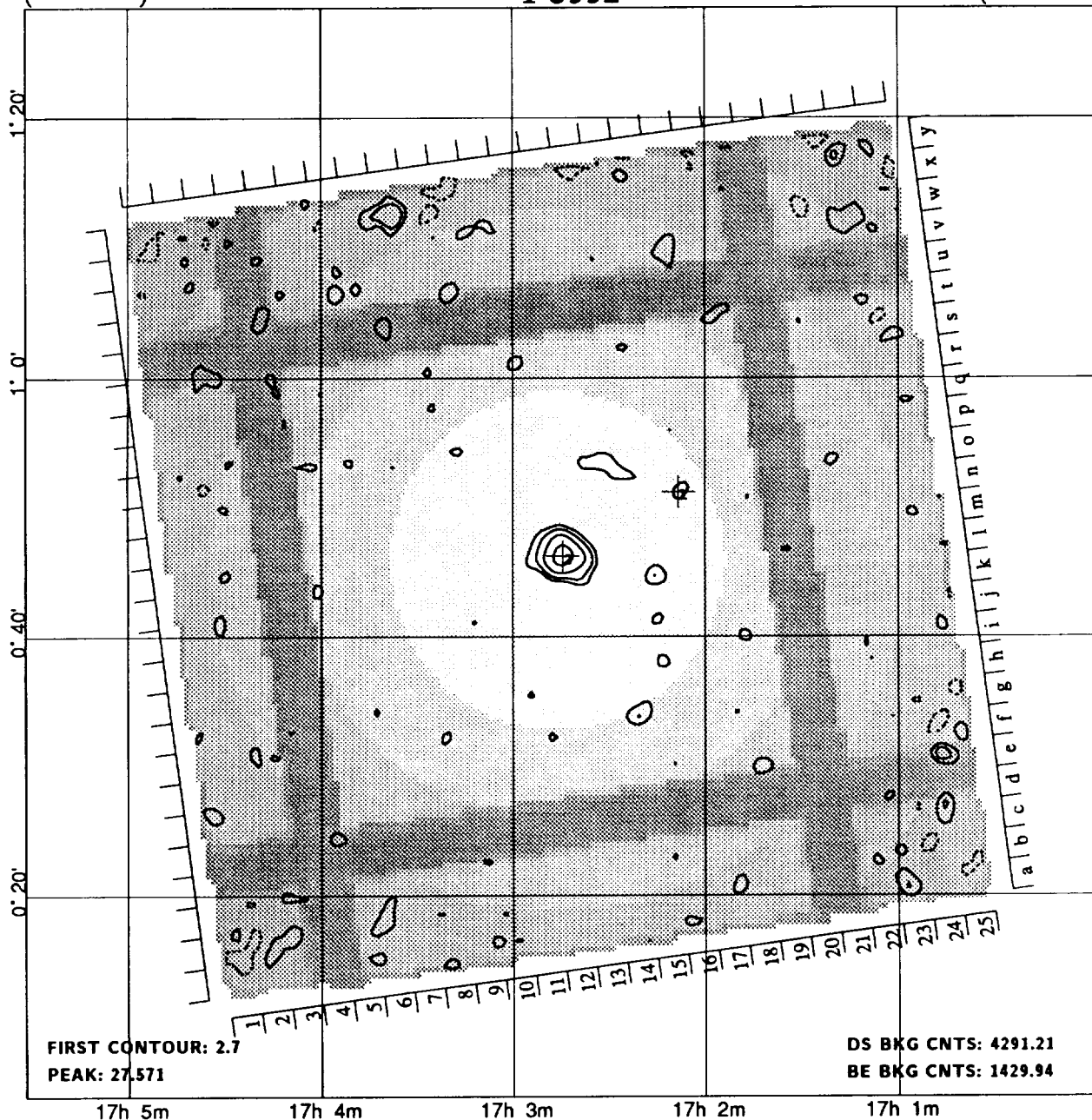
DATE: 1980/100 - 1980/100
LIVETIME: 1716.9s
ROLL ANGLE: -59.9°

NH: 2.1E+20
REF/ID:
FIELD FLAGS:

(17h 2m)

I 5992

(17h 2m)



Chromospherically Active Stars: 9583 (F0)

FIELD CENTER: $17^{\text{h}}02^{\text{m}}43.9^{\text{s}}$ $00^{\circ}46'29''$ (B1950)
 $17^{\text{h}}05^{\text{m}}16.8^{\text{s}}$ $00^{\circ}42'27''$ (J2000)
 $l: 20.77$ $b: 23.78$

DATE: 1980/ 61 - 1980/ 61
 LIVETIME: 3477.3s
 ROLL ANGLE: -97.6°

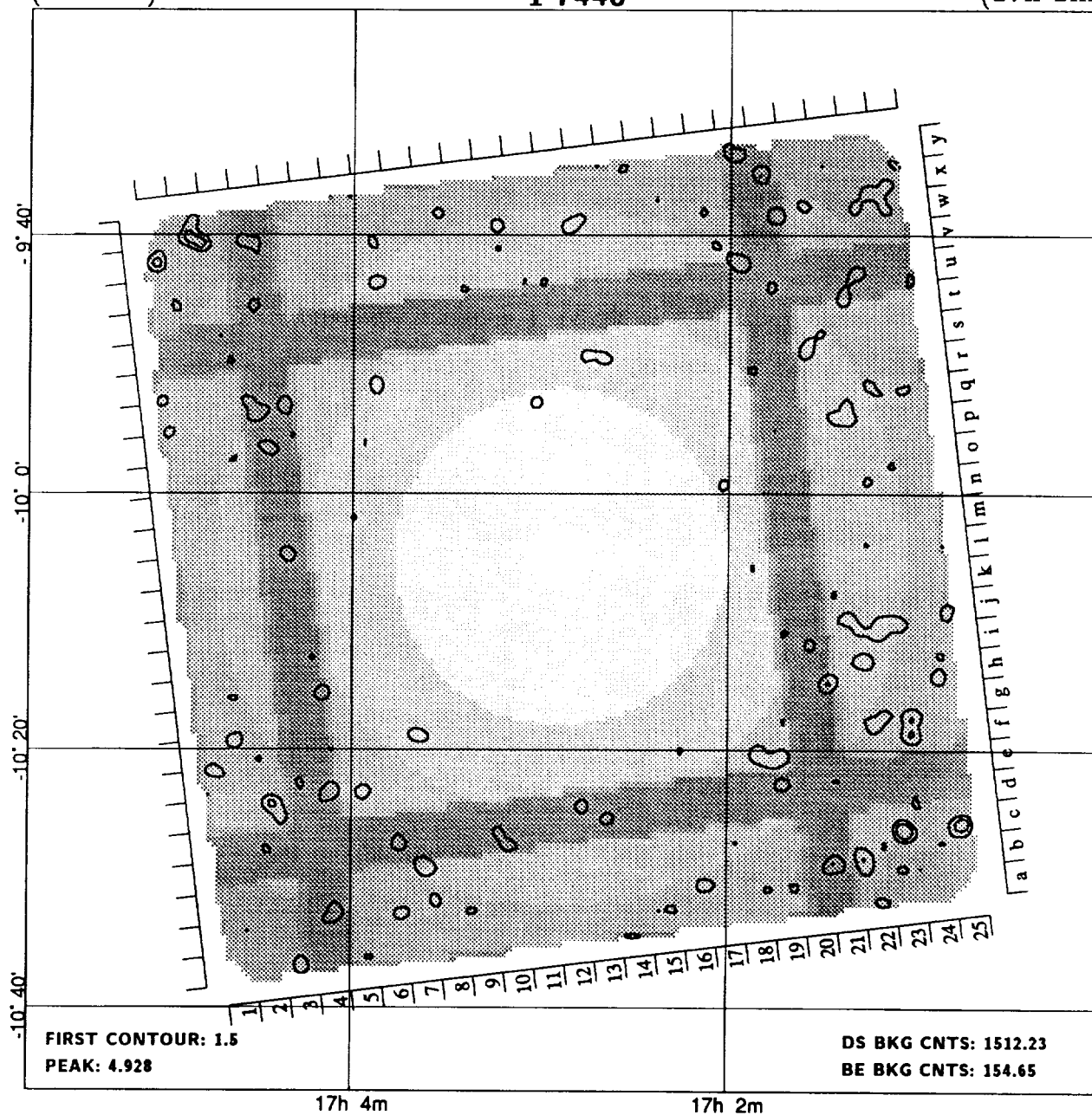
NH: $7.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3817	1L	17 02 08.3	00 51 09	49	0.0097	0.0026	22.0	4.0	3.6	0.3	0	10.0		
3820	2L	17 02 44.4	00 46 13	31	0.0342	0.0053	88.7	46.3	6.3	1.3	0	0.3		S

(17h 2m)

I 7448

(17h 2m)

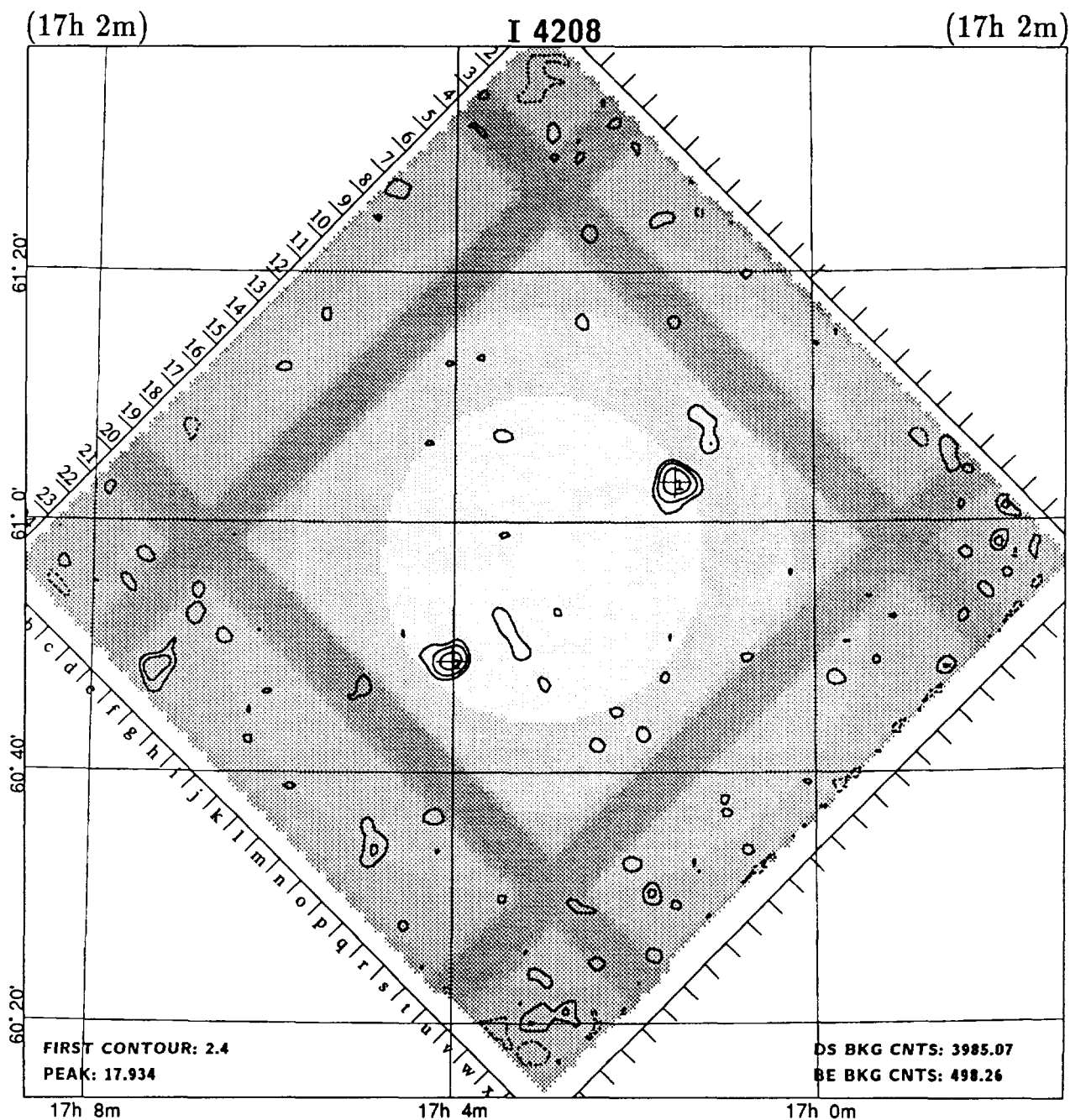


M 2-9, RADIO STAR

FIELD CENTER: $17^{\text{h}}02^{\text{m}}51.9^{\text{s}}$ $-10^{\circ}04'31''$ (B1950)
 $17^{\text{h}}05^{\text{m}}37.2^{\text{s}}$ $-10^{\circ}08'33''$ (J2000)
 $l: 10.90$ $b: 18.06$

DATE: 1980/ 53 - 1980/ 53
 LIVETIME: 1225.4s
 ROLL ANGLE: -97.0°

NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:



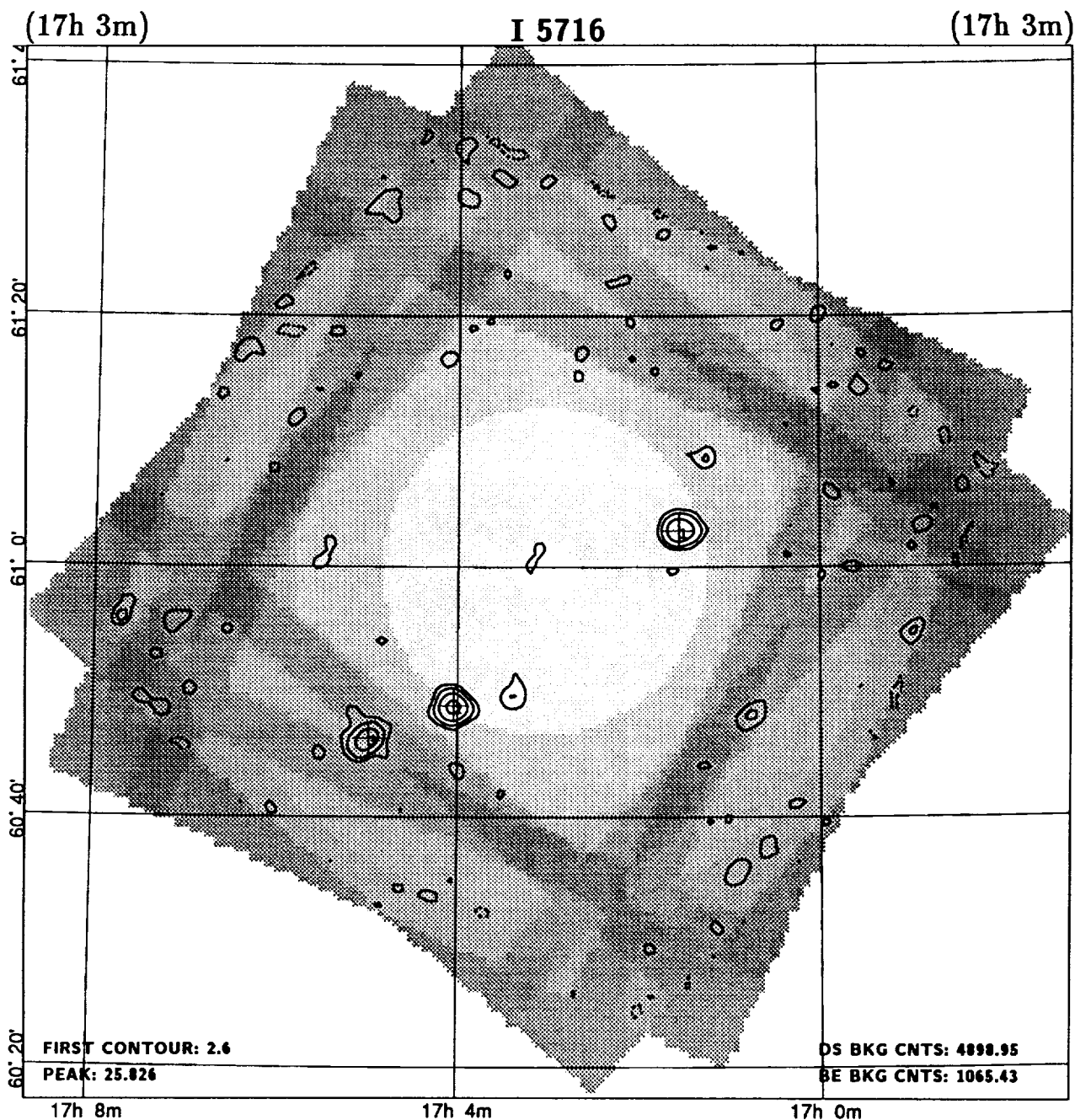
FURTHER STUDY OF 3C351 FIELD

FIELD CENTER: $17^h 02^m 59.9^s$ $60^\circ 55' 59''$ (B1950)
 $17^h 03^m 37.3^s$ $60^\circ 51' 54''$ (J2000)
 $l: 90.26$ $b: 36.49$

DATE: 1979/206 - 1979/206
 LIVETIME: 3229.2s
 ROLL ANGLE: 44.8°

NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3813	1	17 01 32.5	61 03 09	41	0.0322	0.0042	66.1	9.9	7.6	1.0	0	12.8	AH	Q
3828	2	17 04 01.1	60 48 49	41	0.0249	0.0037	52.7	9.3	6.7	0.9	0	10.4	AH	Q



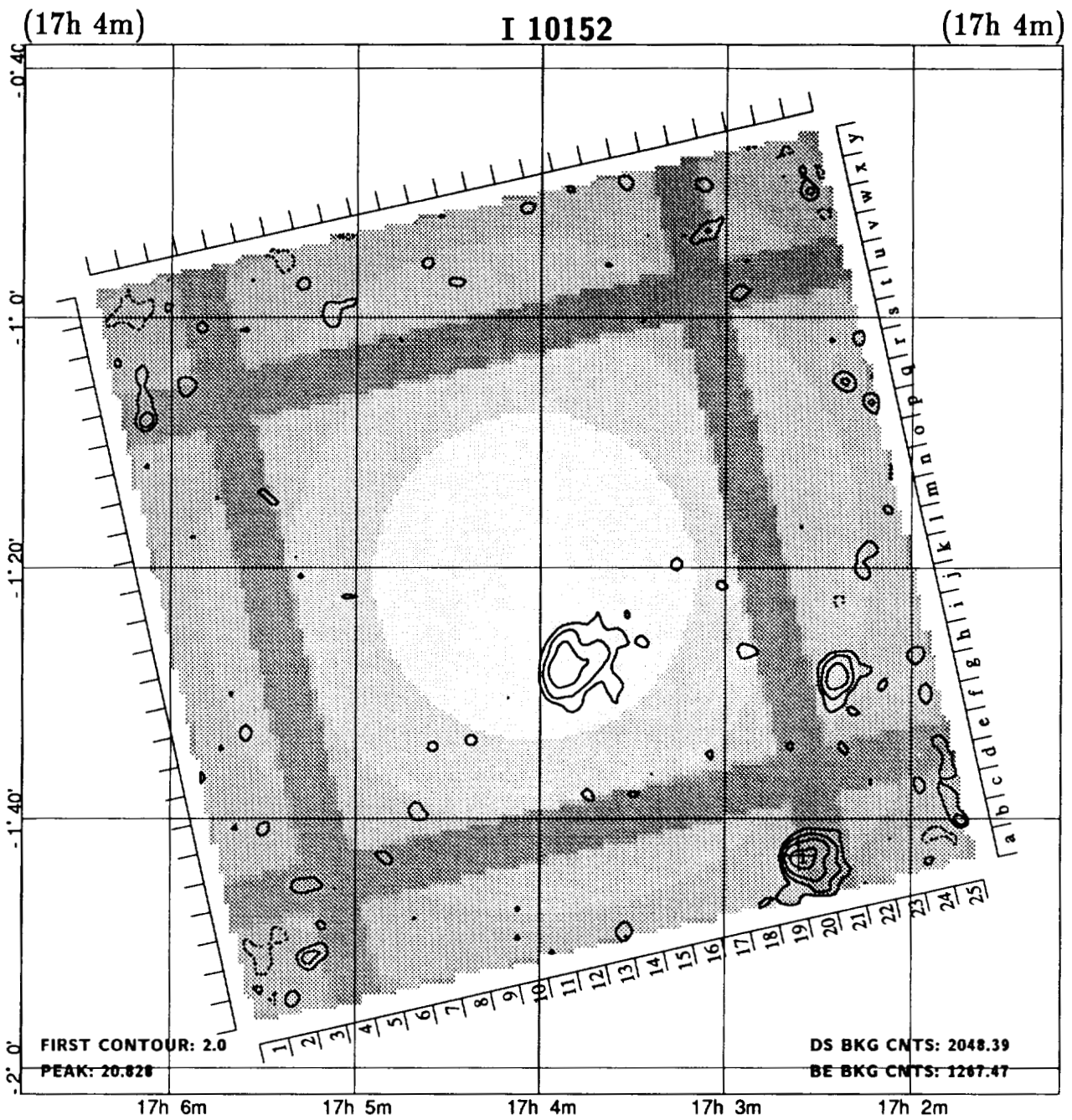
3C 351: MEDIUM DEPTH SURVEY

FIELD CENTER: $17^h 03^m 00.0^s$ $60^\circ 59' 34''$ (B1950)
 $17^h 03^m 37.1^s$ $60^\circ 55' 29''$ (J2000)
 $l: 90.33$ $b: 36.48$

DATE: 1980/ 91 - 1980/201
 LIVETIME: 4112.3s

NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3813	1	17 01 33.4	61 02 52	41	0.0259	0.0034	69.6	13.4	7.6	1.0	0	10.8	AH	Q
3828	2	17 04 02.6	60 48 55	38	0.0301	0.0037	77.3	12.7	8.1	0.9	0	13.0	AH	Q
3836	3	17 04 58.5	60 46 19	50	*0.0201	0.0033	42.9	8.1	6.0	1.1	1408	19.3	AH	BL



FIELD CENTER: $17^h 04^m 00.0^s -01^\circ 20' 05''$ (B1950)
 $17^h 06^m 35.3^s -01^\circ 24' 02''$ (J2000)
 $l: 18.96 \quad b: 22.45$

DATE: 1981/ 46 - 1981/ 46
 LIVETIME: 1659.9s
 ROLL ANGLE: -102.7°

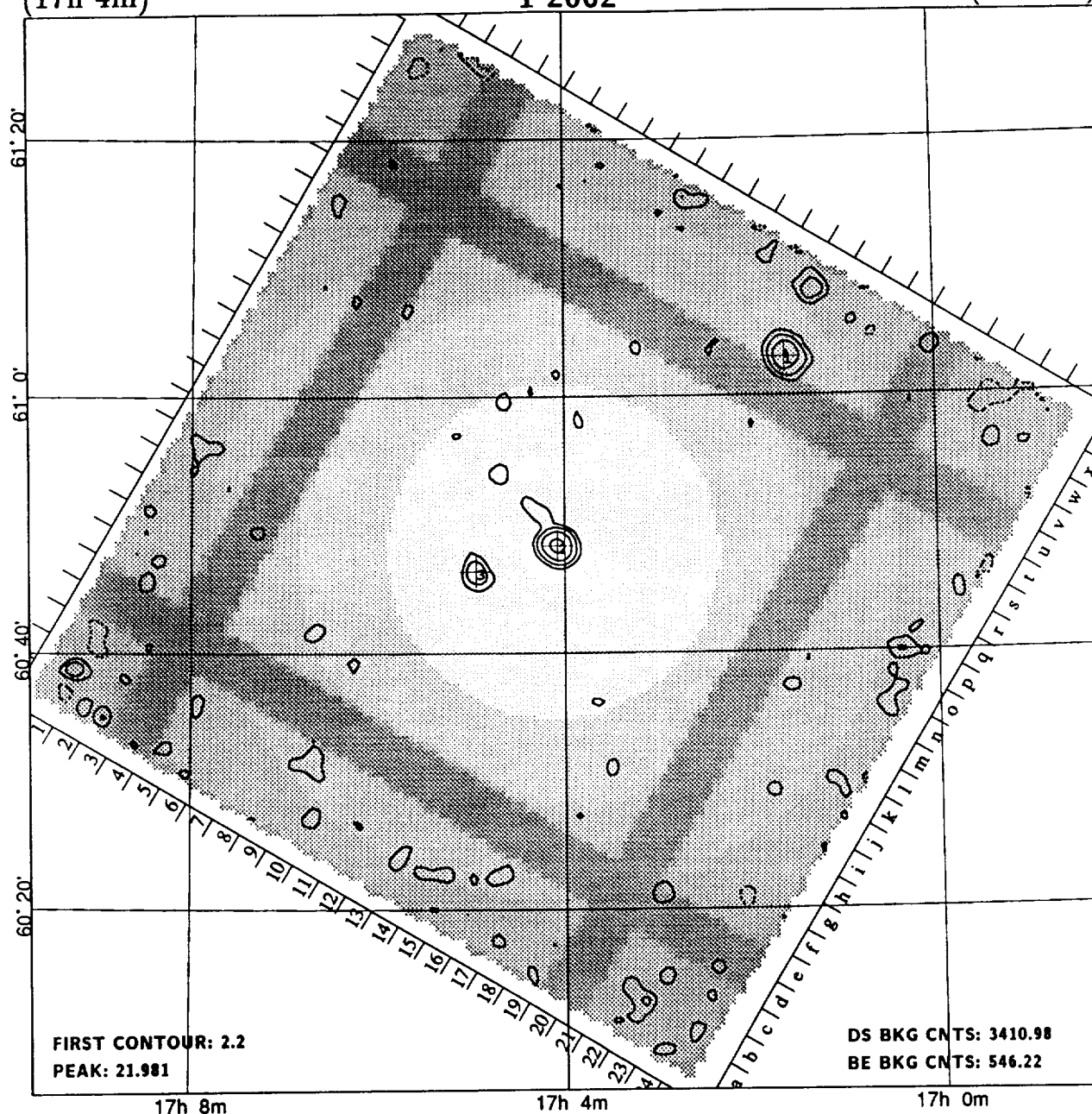
NH: $9.3E+20$
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3819	1L	17 02 36.0	-01 42 58	50	*0.039	0.011	38.9	6.1	3.6	1.8	804	31.0	I	

(17h 4m)

I 2062

(17h 4m)



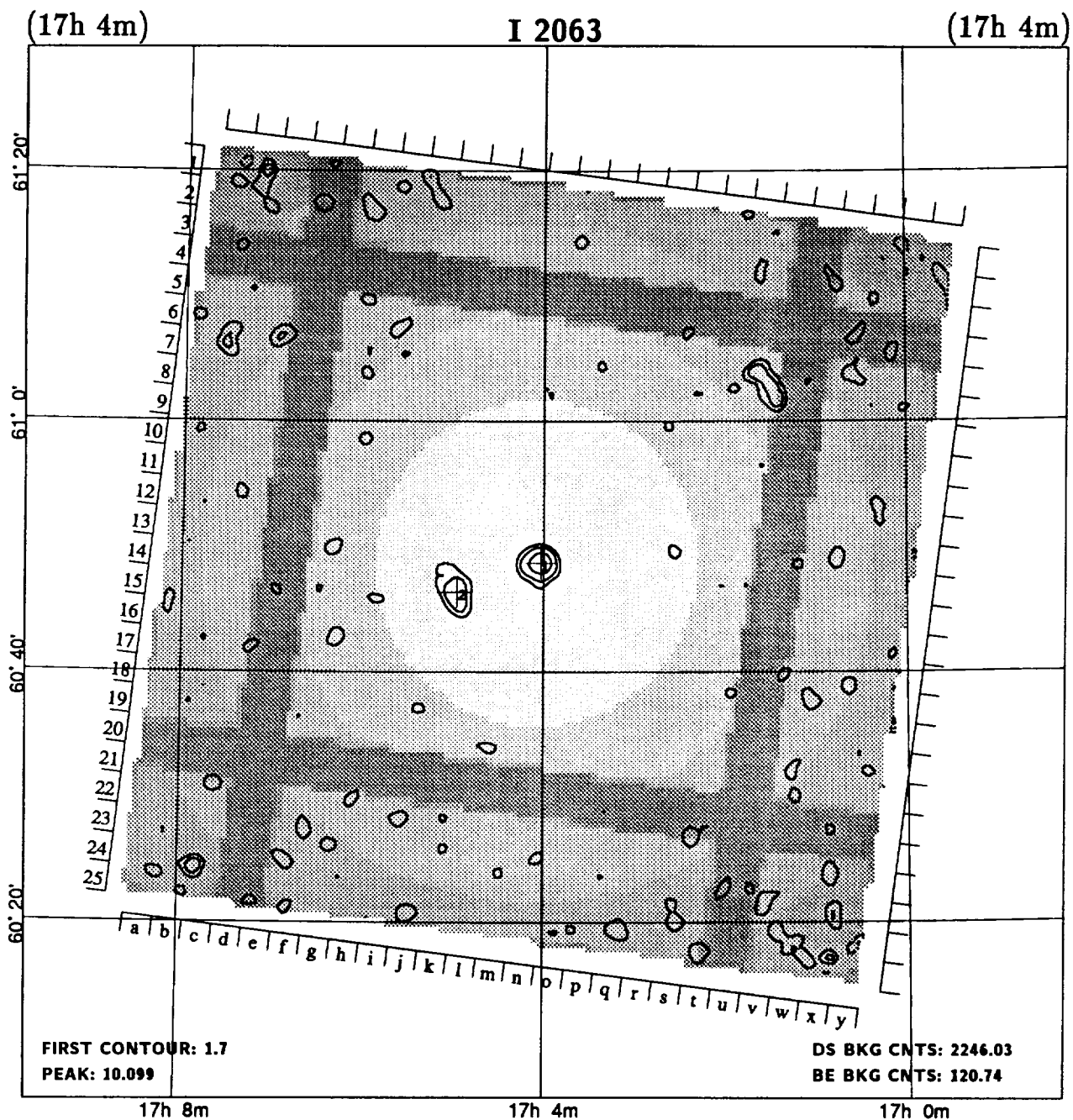
3C 351: X-RAY STUDY OF QUASARS

FIELD CENTER: $17^h 04^m 00.0^s$ $60^\circ 47' 59''$ (B1950)
 $17^h 04^m 37.9^s$ $60^\circ 43' 58''$ (J2000)
 $l: 90.07$ $b: 36.39$

DATE: 1979/ 98 - 1979/ 98
 LIVETIME: 2764.0s
 ROLL ANGLE: -59.4°

NH: $2.3E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3813	1	17 01 37.0	61 02 59	50	*0.0341	0.0055	42.7	5.3	6.2	0.9	601	22.9	AH	Q
3828	2	17 04 04.7	60 48 26	31	0.0421	0.0048	86.7	9.3	8.8	1.0	0	0.8	AH	Q
3836	3	17 04 57.3	60 46 28	42	0.0124	0.0030	24.0	10.0	4.1	0.8	0	7.0	AH	BL



3C 351: X-RAY STUDY OF QUASARS

FIELD CENTER: $17^{\text{h}}04^{\text{m}}00.0^{\text{s}}$ $60^{\circ}47'59''$ (B1950)
 $17^{\text{h}}04^{\text{m}}37.9^{\text{s}}$ $60^{\circ}43'58''$ (J2000)
 ℓ : 90.07 b : 36.39

DATE: 1979/167 - 1979/167
 LIVETIME: 1820.0s
 ROLL ANGLE: 7.3°

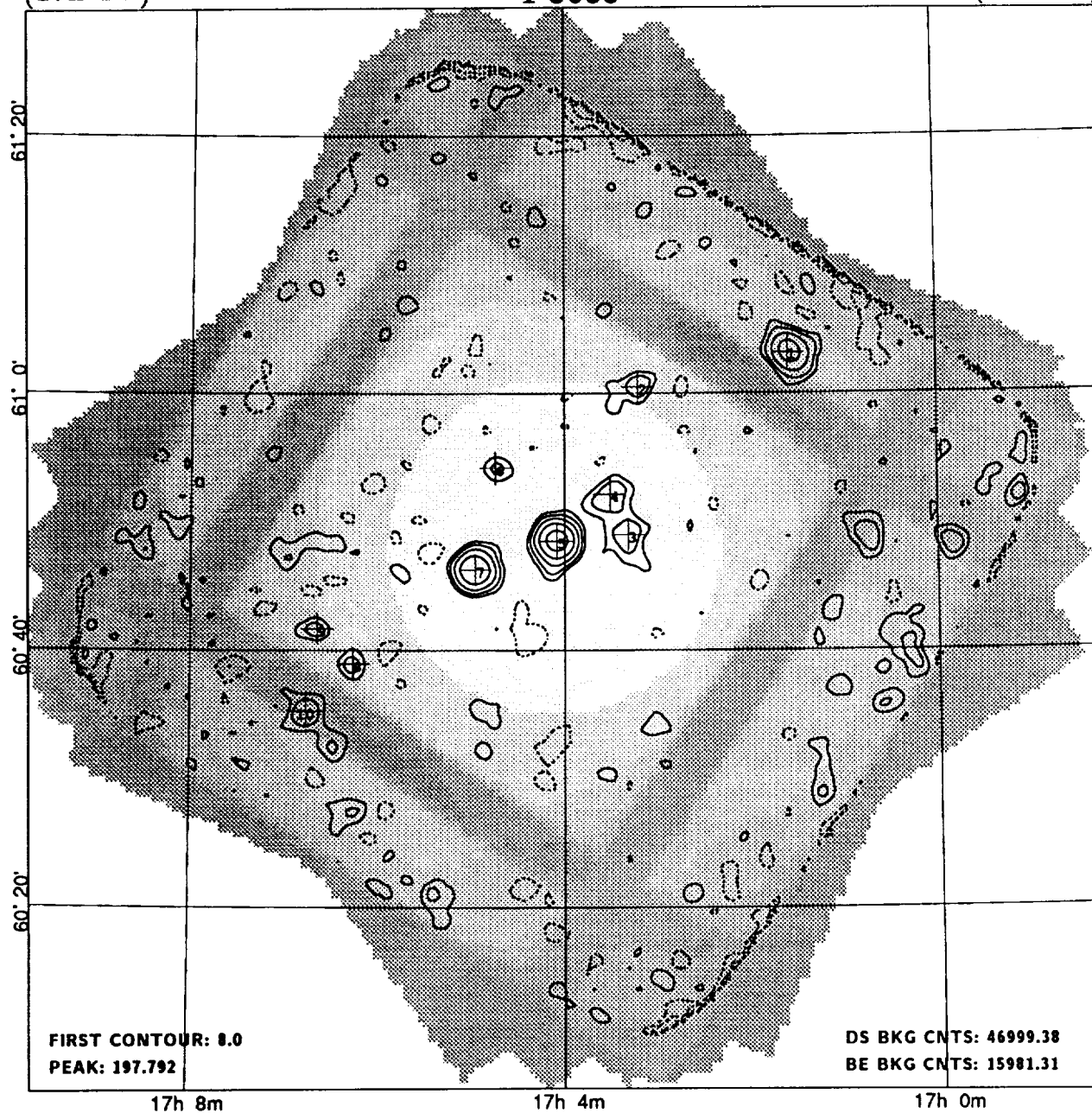
NH: $2.3\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3828	1	17 04 01.8	60 48 45	35	0.0333	0.0053	45.3	5.7	6.3	0.9	0	0.8	AH	Q
3836	2	17 04 57.7	60 46 27	42	0.0184	0.0042	23.4	5.6	4.3	1.0	0	7.2	AH	BL

(17h 4m)

I 5688

(17h 4m)



3C 351: STUDY OF VARIABILITY

FIELD CENTER: $17^{\text{h}}04^{\text{m}}00.0^{\text{s}}$ $60^{\circ}47'59''$ (B1950)
 $17^{\text{h}}04^{\text{m}}37.9^{\text{s}}$ $60^{\circ}43'58''$ (J2000)
 $l: 90.07$ $b: 36.39$

DATE: 1980/ 1 - 1980/124
 LIVETIME: 38084.9s

NH: 2.3E+20

REF/ID: !

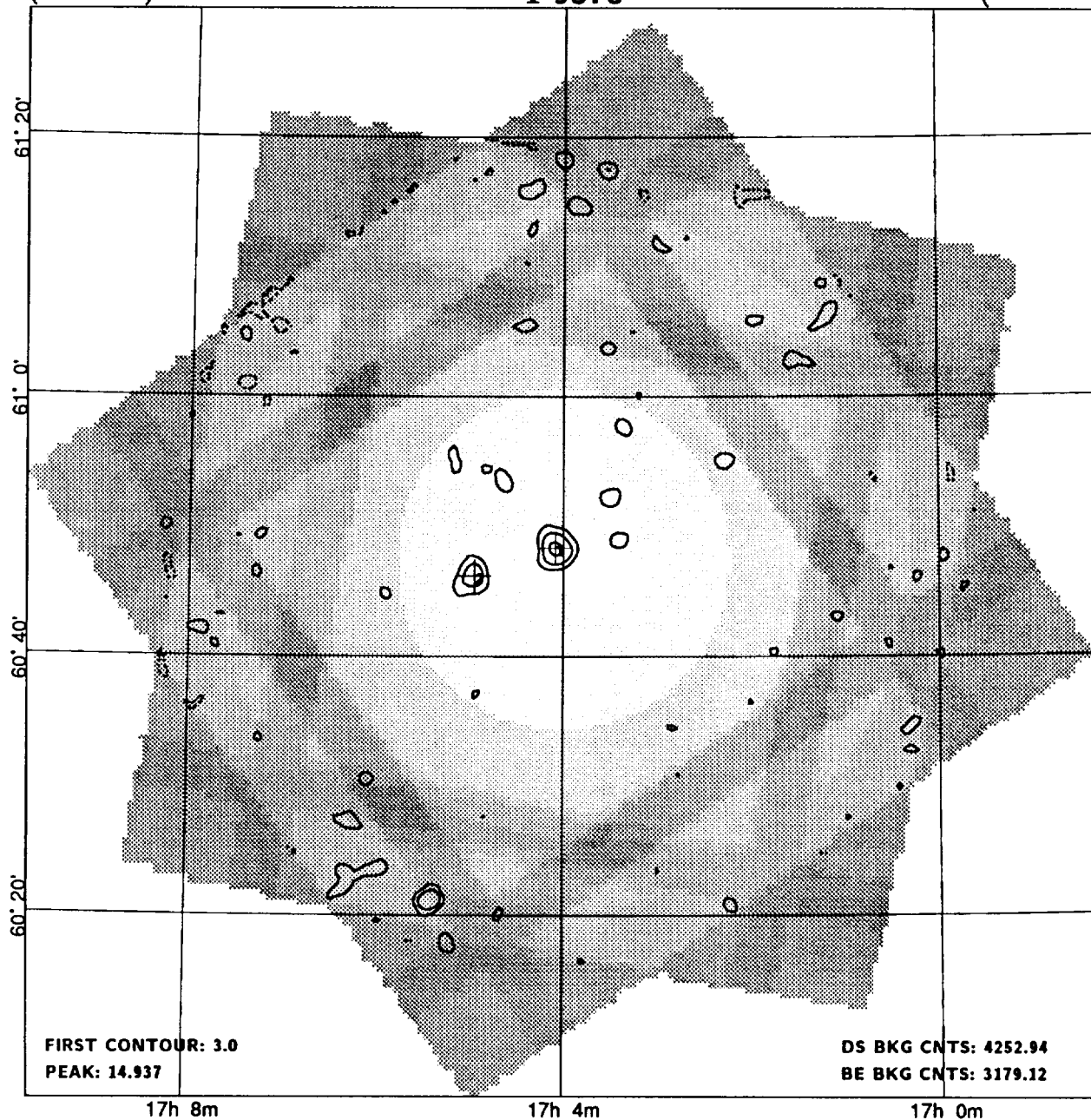
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3813	1	17 01 35.5	61 03 07	48	0.0138	0.0011	237.8	97.2	13.0	1.2	300	23.2	AH	Q
3822	2	17 03 12.5	61 00 30	41	0.00313	0.00062	72.3	133.7	5.0	1.0	0	13.9		
3824	3	17 03 19.1	60 49 05	41	0.00405	0.00059	109.2	145.8	6.8	2.4	0	5.1	H	†
3825	4	17 03 30.8	60 52 12	38	0.00414	0.00061	111.2	161.8	6.7	2.4	0	5.3		Q
3828	5	17 04 05.0	60 48 37	31	0.0280	0.0011	794.4	151.6	25.8	1.1	0	0.9	AH	Q
3834	6	17 04 44.8	60 54 13	41	0.00205	0.00055	53.8	152.2	3.8	0.7	0	7.6		
3836	7	17 04 57.6	60 46 23	37	0.01976	0.00098	528.2	161.8	20.1	1.1	0	7.2	AH	BL
3839	8	17 06 16.1	60 38 58	55	0.00285	0.00064	58.5	112.5	4.5	0.6	200	18.9	H	
3840	9	17 06 39.0	60 41 45	51	0.00298	0.00068	58.7	122.3	4.4	0.7	0	20.3		
3841	10	17 06 46.1	60 35 12	63	*0.00467	0.00072	81.3	74.7	6.5	1.3	1209	24.2	H	

(17h 4m)

I 9378

(17h 4m)



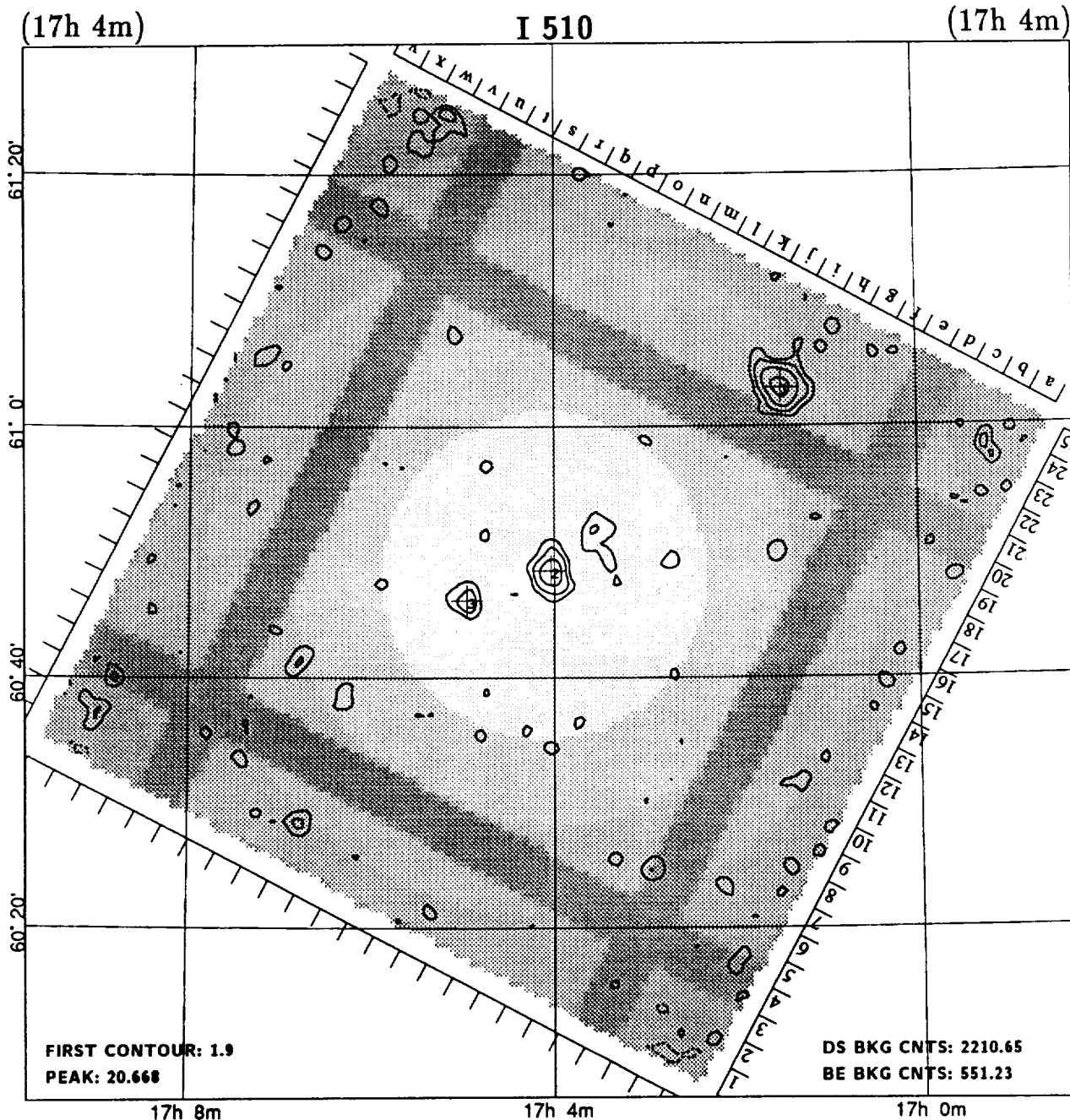
STUDY OF VARIABILITY: 3C 351

FIELD CENTER: $17^{\text{h}}04^{\text{m}}00.0^{\text{s}}$ $60^{\circ}47'59''$ (B1950)
 $17^{\text{h}}04^{\text{m}}37.9^{\text{s}}$ $60^{\circ}43'58''$ (J2000)
 $l: 90.07$ $b: 36.39$

DATE: 1980/355 - 1981/ 31
 LIVETIME: 3446.3s

NH: 2.3E+20
 REF/ID: !
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3828	1	17 04 05.2	60 48 21	35	0.0212	0.0034	54.2	19.8	6.3	0.9	0	0.7	AH	Q
3836	2	17 04 57.1	60 46 12	42	0.0122	0.0029	29.2	18.8	4.2	0.8	0	7.0	AH	BL



3CR 351 (QSO 1704+608) QUASAR SURVEY

FIELD CENTER: $17^{\text{h}}04^{\text{m}}03.7^{\text{s}}$ $60^{\circ}48'28''$ (B1950)
 $17^{\text{h}}04^{\text{m}}41.5^{\text{s}}$ $60^{\circ}44'27''$ (J2000)
 $l: 90.08$ $b: 36.38$

DATE: 1979/ 5 - 1979/ 6
 LIVETIME: 1791.3s
 ROLL ANGLE: -152.2°

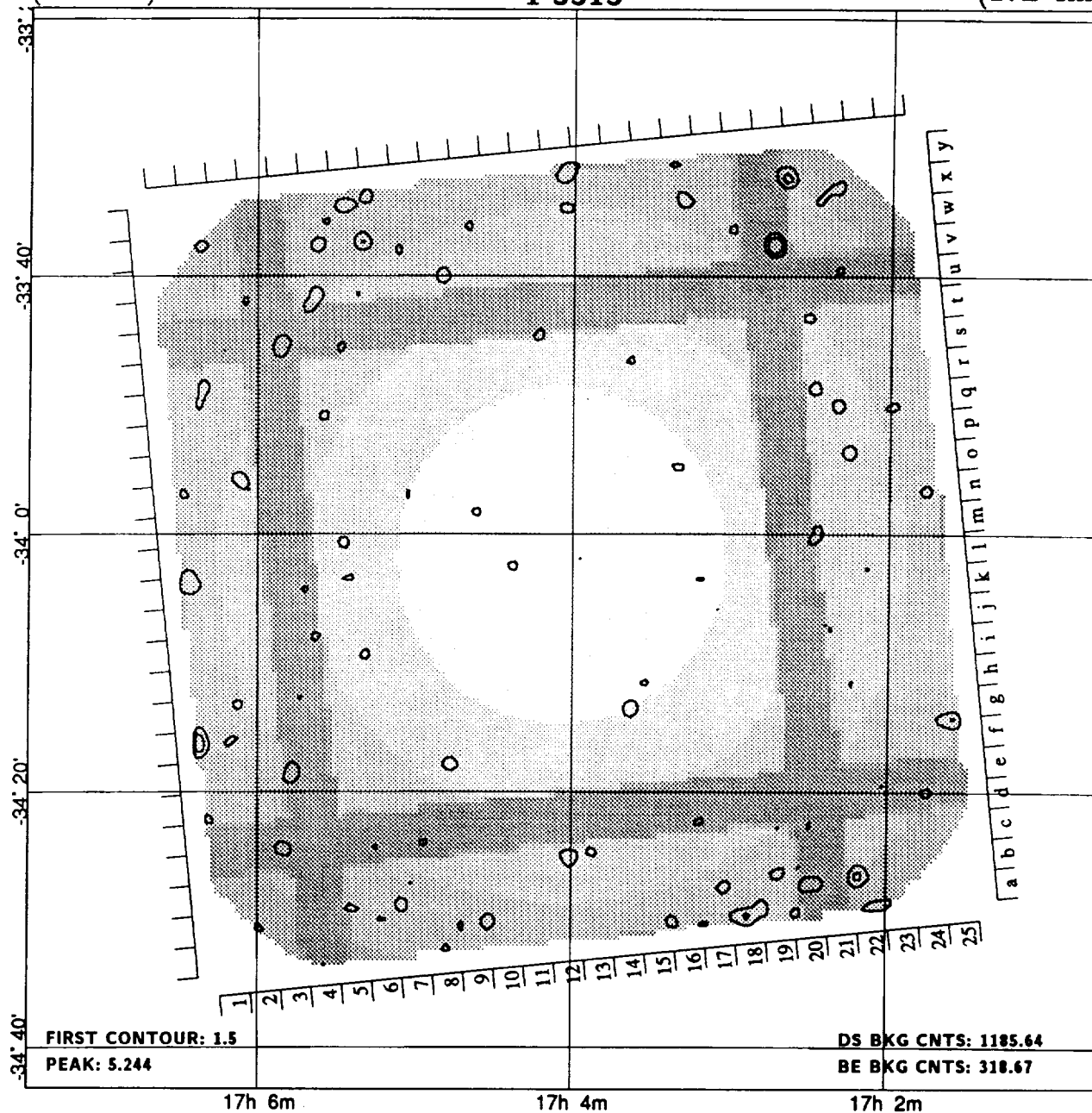
NH: $2.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3813	1	17 01 29.6	61 03 01	50	0.0648	0.0094	51.4	4.6	6.9	1.4	200	23.6	AH	Q
3828	2	17 04 02.3	60 48 31	35	0.0400	0.0059	53.4	7.6	6.8	1.1	0	0.2	AH	Q
3836	3	17 04 57.5	60 46 10	43	0.0177	0.0044	22.3	7.7	4.1	0.8	0	7.3	AH	BL

(17h 4m)

I 3313

(17h 4m)



FIELD CENTER: $17^{\text{h}}04^{\text{m}}03.9^{\text{s}}$ $-34^{\circ}01'18''$ (B1950)
 $17^{\text{h}}07^{\text{m}}21.6^{\text{s}}$ $-34^{\circ}05'13''$ (J2000)
 $l: 351.17$ $b: 3.89$

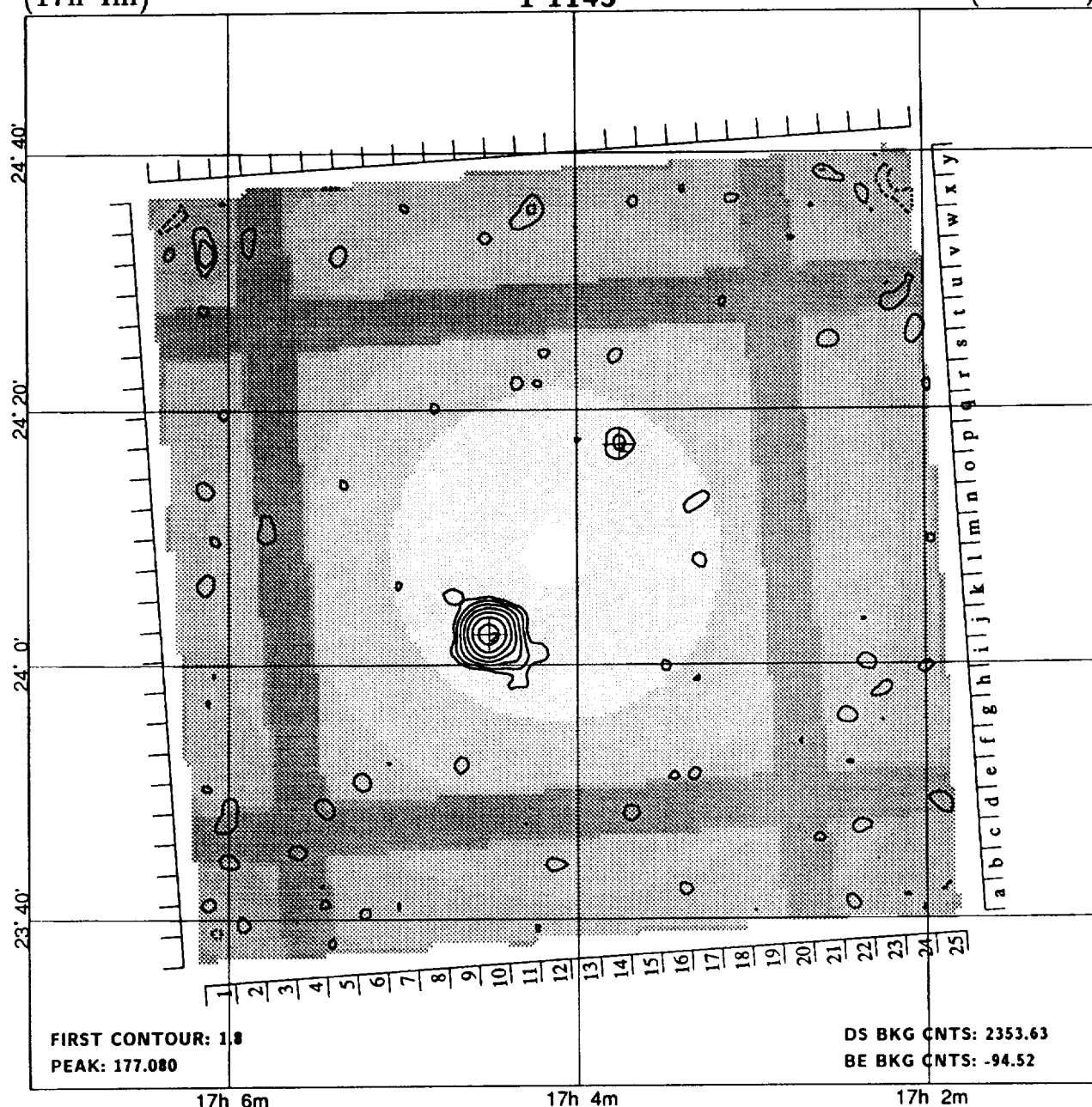
DATE: 1979/ 68 - 1979/ 68
 LIVETIME: 960.8s
 ROLL ANGLE: -95.7°

NH: $3.3\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

(17h 4m)

I 1143

(17h 4m)



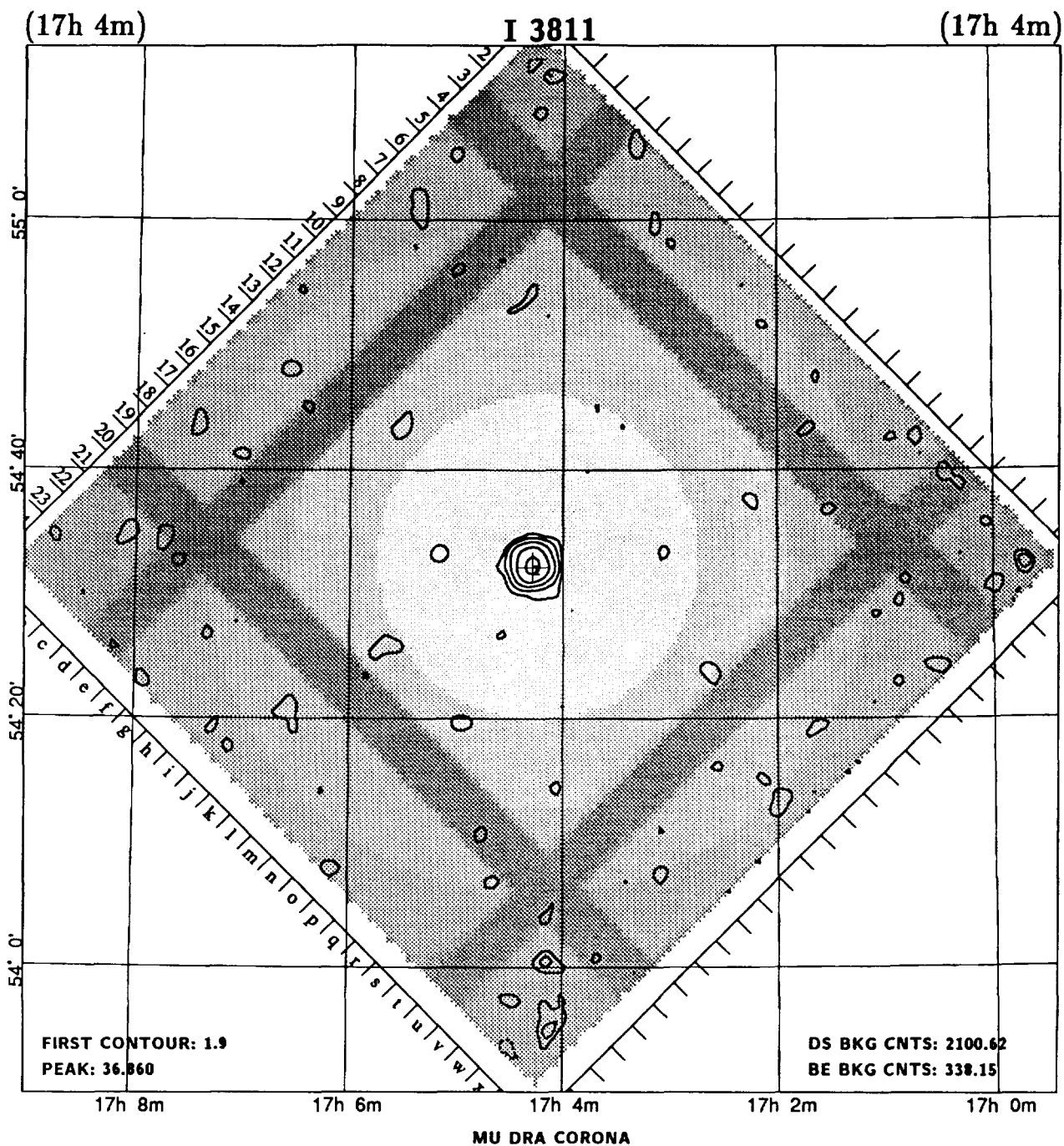
2A1704+241 (4U), UNIDENTIFIED HIGH LATITUDE SOURCE

FIELD CENTER: $17^{\text{h}}04^{\text{m}}04.6^{\text{s}}$ $24^{\circ}08'59''$ (B1950)
 $17^{\text{h}}06^{\text{m}}09.3^{\text{s}}$ $24^{\circ}05'02''$ (J2000)
 ℓ : 45.24 b : 33.12

DATE: 1980/ 67 - 1980/ 67
 LIVETIME: 1907.2s
 ROLL ANGLE: -93.7°

NH: $4.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3826	1	17 03 45.3	24 17 13	46	0.0133	0.0037	17.0	5.0	3.6	0.7	0	9.2	AH	
3831	2	17 04 30.5	24 02 26	37	0.515	0.020	674.1	5.9	25.9	1.2	0	8.9	AH	



FIELD CENTER: $17^h 04^m 12.8^s$ $54^\circ 31' 59''$ (B1950)
 $17^h 05^m 15.7^s$ $54^\circ 28' 00''$ (J2000)
 $l: 82.30$ $b: 37.03$

DATE: 1979/206 - 1979/206
 LIVETIME: 1702.2s
 ROLL ANGLE: 44.9°

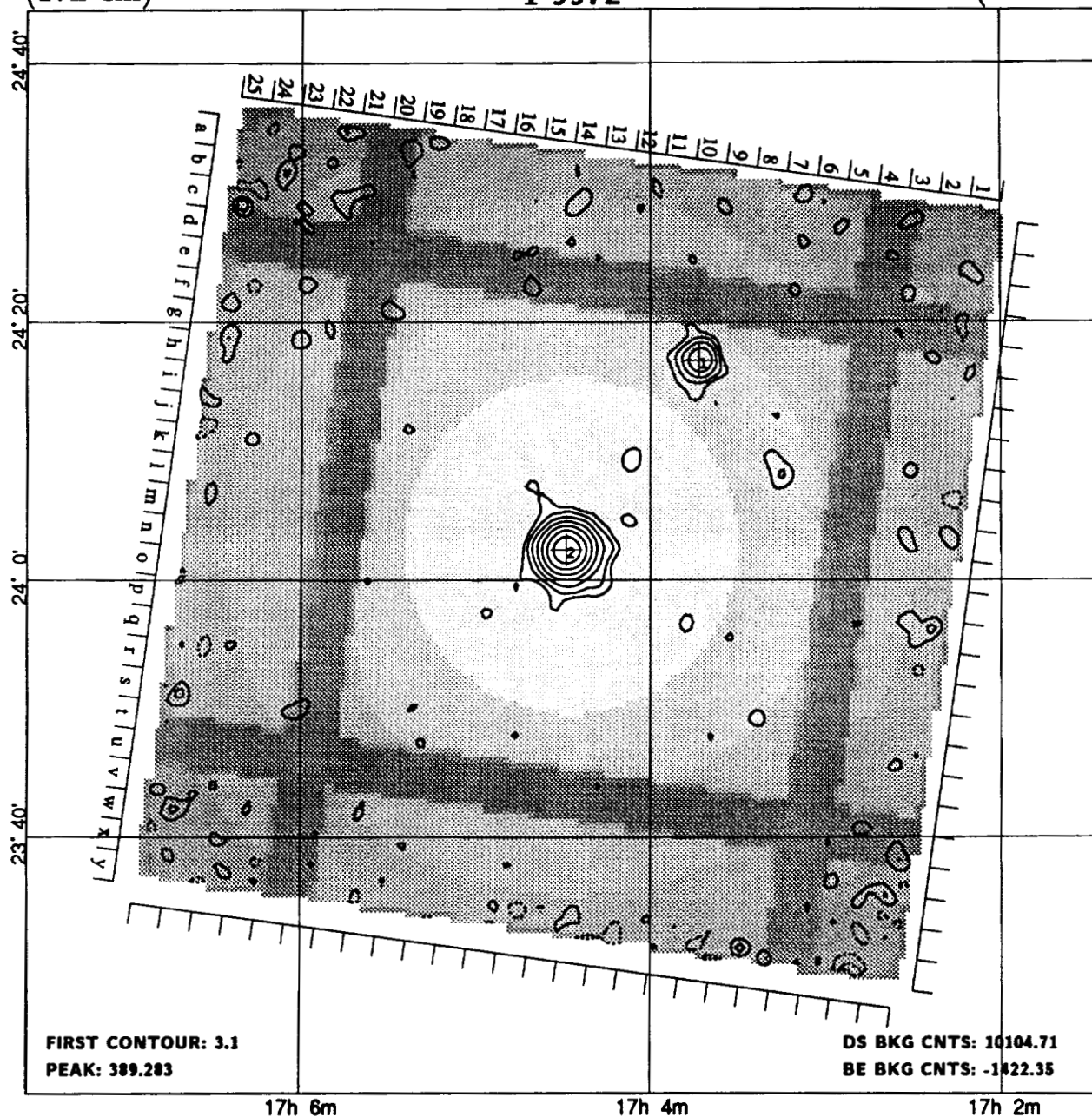
NH: $2.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3830	1	17 04 17.2	54 32 07	31	0.134	0.010	169.4	6.6	12.8	1.3	0	0.8	AH	S

(17h 4m)

I 9972

(17h 4m)



FIELD CENTER: $17^{\text{h}}04^{\text{m}}29.6^{\text{s}}$ $24^{\circ}02'12''$ (B1950)
 $17^{\text{h}}04^{\text{m}}34.4^{\text{s}}$ $23^{\circ}58'17''$ (J2000)
 $l: 45.15$ $b: 32.99$

DATE: 1980/270 - 1980/270
 LIVETIME: 8188.1s
 ROLL ANGLE: 97.8°

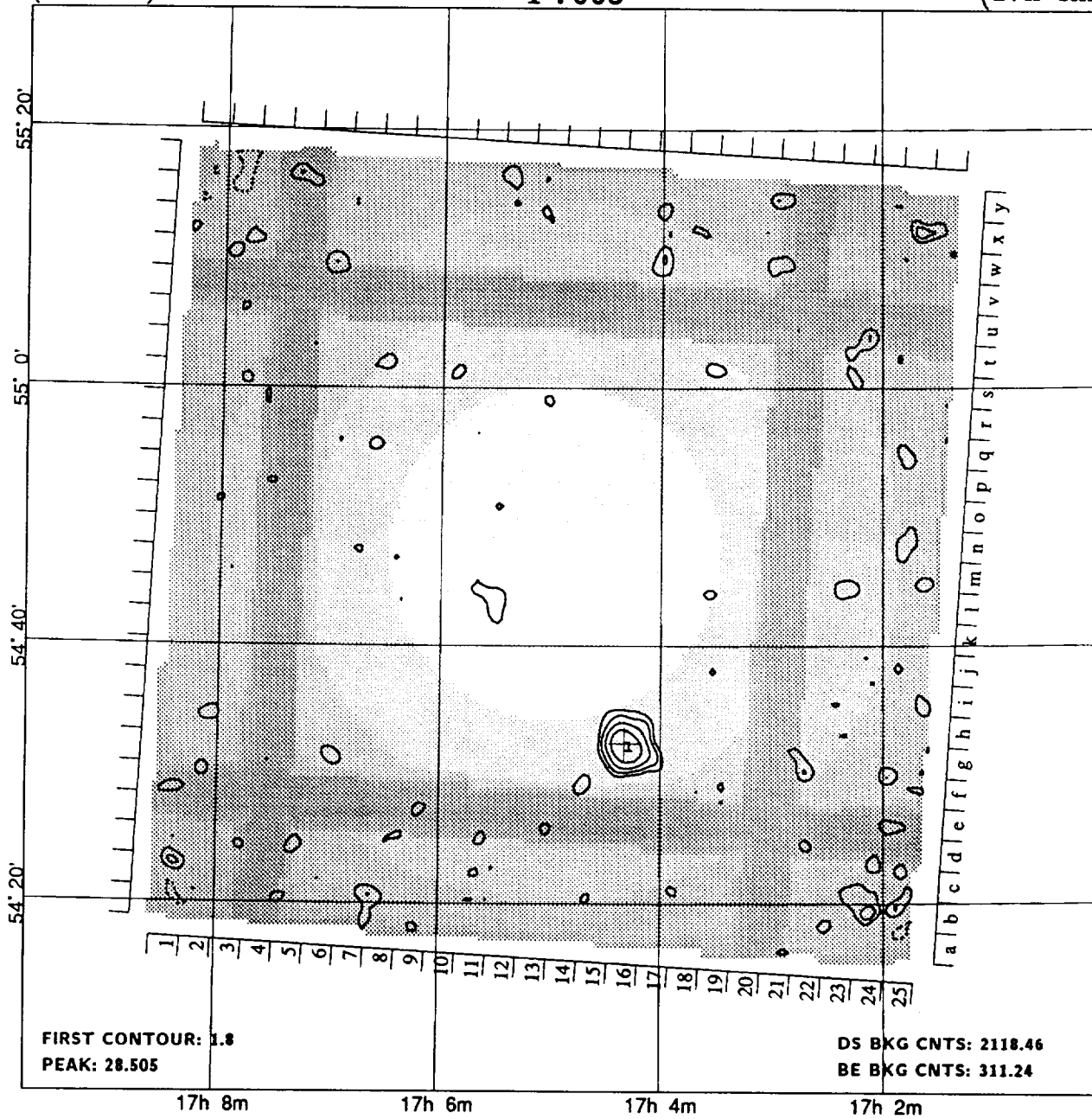
NH: $4.4\text{E}+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3826	1	17 03 43.3	24 17 00	48	0.0280	0.0026	126.8	16.2	10.6	1.1	0	18.2	AH	
3831	2	17 04 28.9	24 02 21	31	0.2603	0.0066	1589.5	20.5	39.6	1.3	0	0.2	AH	

(17h 4m)

I 7665

(17h 4m)



H1706+54, POSITION 3

FIELD CENTER: $17^{\text{h}}04^{\text{m}}54.0^{\text{s}}$ $54^{\circ}47'27''$ (B1950)
 $17^{\text{h}}05^{\text{m}}55.9^{\text{s}}$ $54^{\circ}43'31''$ (J2000)
 $l: 82.61$ $b: 36.91$

DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 1778.3s
 ROLL ANGLE: -86.7°

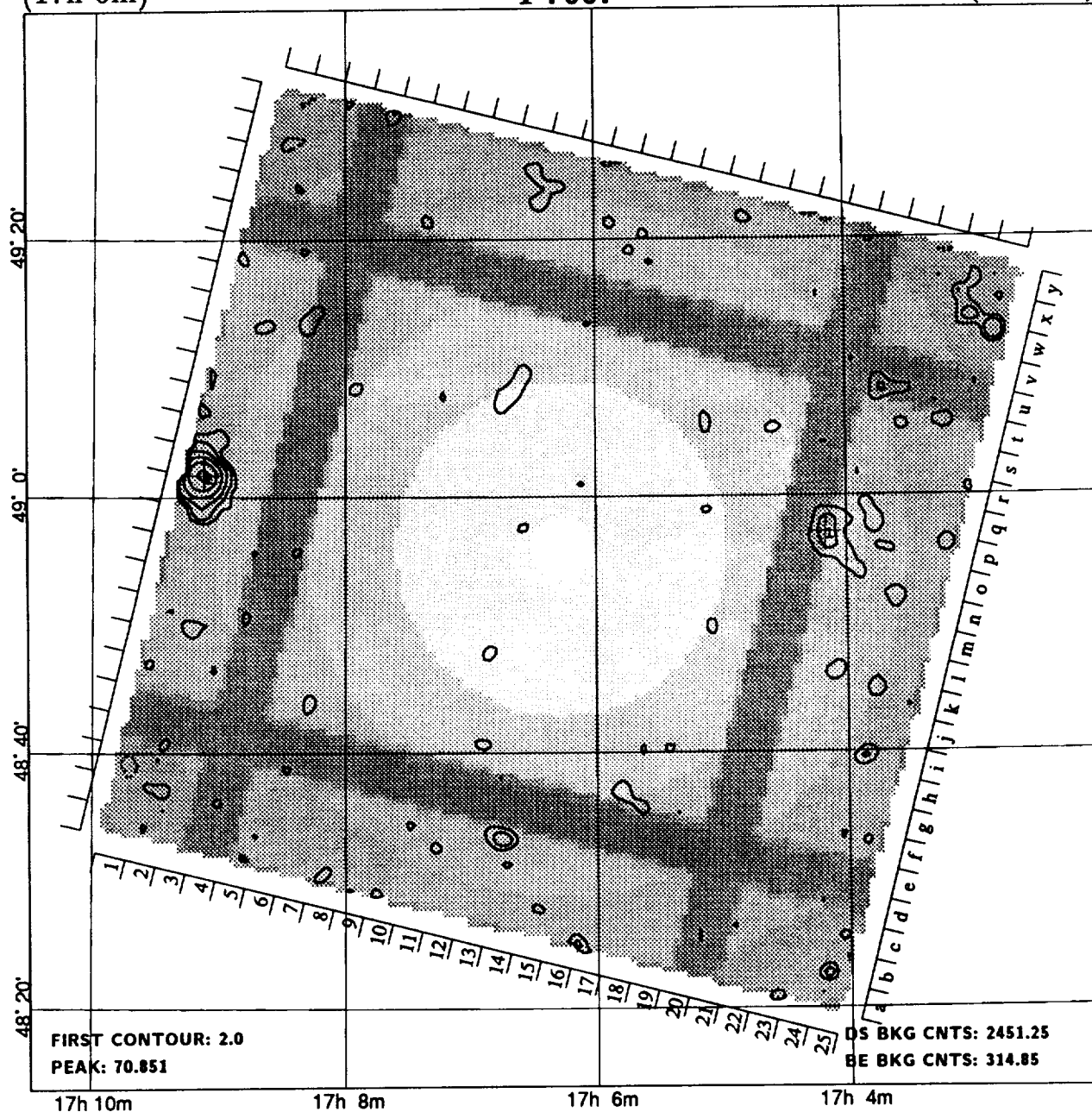
NH: $2.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3830	1	17 04 19.6	54 32 28	48	0.0909	0.0096	93.8	5.2	9.4	1.3	0	15.9	AH S

(17h 6m)

I 7667

(17h 6m)



FIELD CENTER: $17^{\text{h}}06^{\text{m}}15.7^{\text{s}}$ $48^{\circ}55'58''$ (B1950)
 $17^{\text{h}}07^{\text{m}}34.9^{\text{s}}$ $48^{\circ}52'08''$ (J2000)
 $l: 75.28$ $b: 36.85$

DATE: 1980/ 74 - 1980/ 74
 LIVETIME: 2057.6s
 ROLL ANGLE: -76.0°

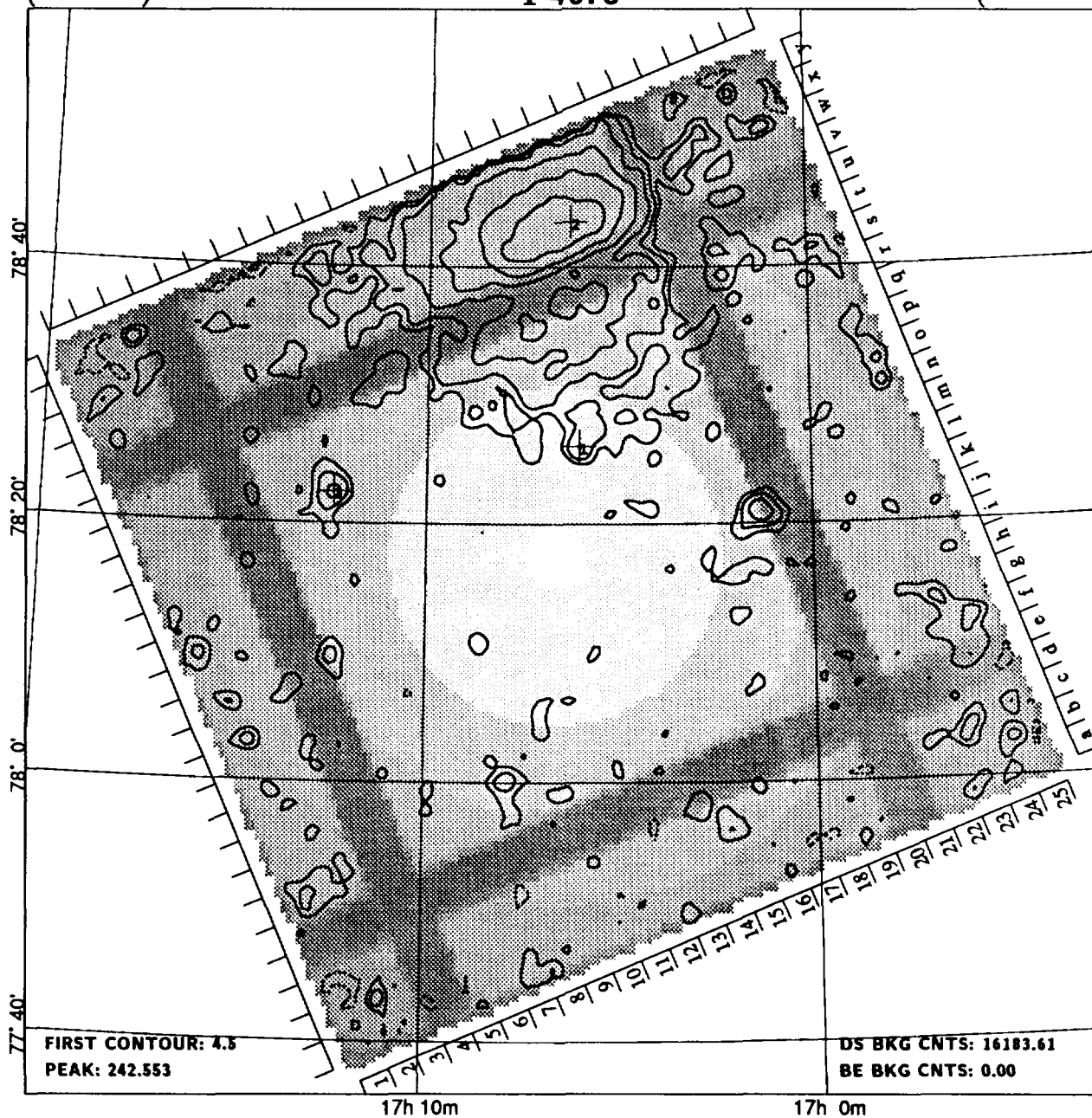
NH: $2.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3829	1	17 04 10.1	48 57 08	56	*0.0164	0.0044	16.8	3.2	3.8	1.5	906	21.0	H
3847	2	17 09 07.5	49 01 43	48	0.184	0.016	137.5	4.5	11.5	1.2	500	28.8	AH S

(17h 6m)

I 4678

(17h 6m)



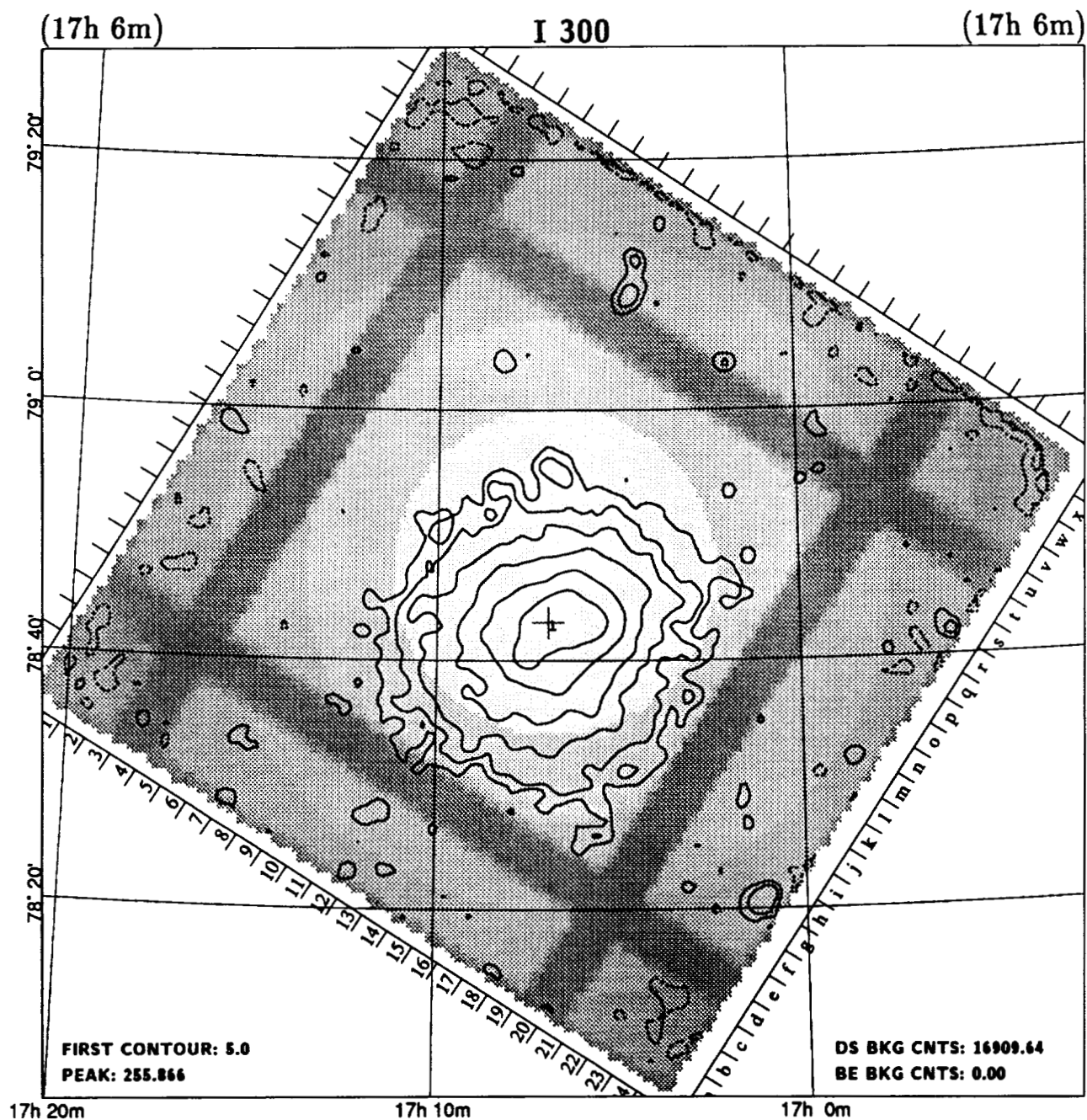
A 2256 CLUSTER FOLLOW-UP

FIELD CENTER: $17^{\text{h}}06^{\text{m}}29.8^{\text{s}}$ $78^{\circ}17'59''$ (B1950)
 $17^{\text{h}}03^{\text{m}}51.1^{\text{s}}$ $78^{\circ}14'02''$ (J2000)
 $l: 110.56$ $b: 31.90$

DATE: 1980/ 43 - 1980/ 44
 LIVETIME: 13114.1s
 ROLL ANGLE: -112.8°

NH: $4.1\text{E}+20$
 REF/ID: CLG
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3838	1L	17 06 02.1	78 26 07	41	0.0060	0.0014	53.6	49.4	4.2	203.2	0	8.2	A	
3842	2L	17 06 15.7	78 43 30	47	0.0367	0.0064	199.6	523.4	5.7	10.3	200	25.2	A	CLG
3865	3L	17 12 25.2	78 22 30	50	0.0074	0.0017	52.2	42.8	4.3	1.2	0	18.5		



A2256 DETAILED CLUSTER STUDY

FIELD CENTER: 17^h06^m29.8^s 78°46'59" (B1950)
17^h03^m37.3^s 78°43'01" (J2000)
 l : 111.10 b : 31.74

DATE: 1979/100 - 1979/101
LIVETIME: 13702.3s
ROLL ANGLE: -57.4°

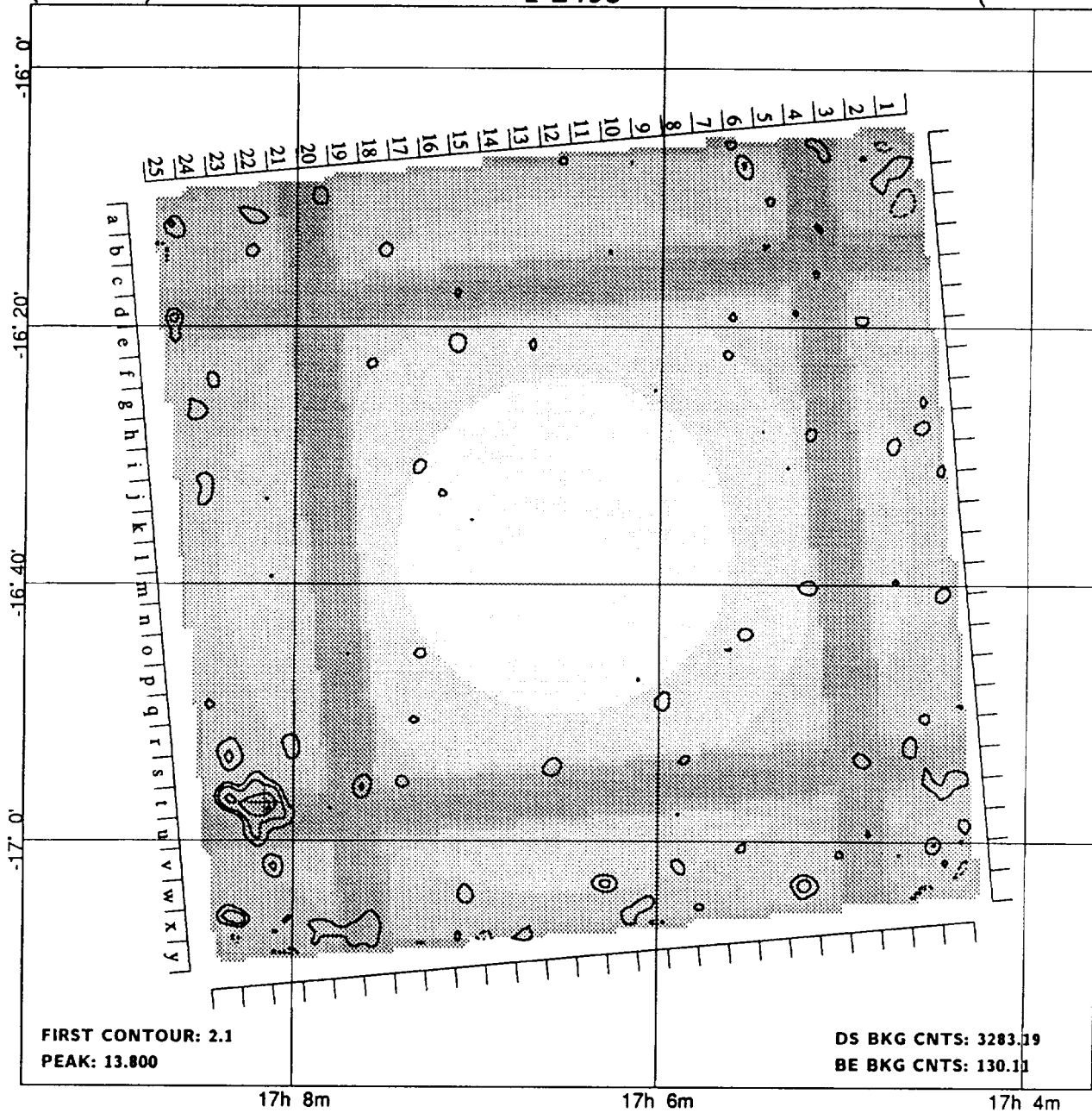
NH: 4.3E+20
REF/ID: CLG
FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R ²	SRC FLG	ID
3842	1L	17 06 56.3	78 43 02	31	0.0268	0.0049	265.3	1118.7	5.4	12.5	0	3.7	A	CLG

(17h 6m)

I 2495

(17h 6m)



1706-16K: SURVEY OF RADIO PULSARS

FIELD CENTER: $17^{\text{h}}06^{\text{m}}32.8^{\text{s}}$ $-16^{\circ}37'11''$ (B1950)
 $17^{\text{h}}09^{\text{m}}26.1^{\text{s}}$ $-16^{\circ}40'57''$ (J2000)
 $l: 5.77$ $b: 13.66$

DATE: 1979/253 - 1979/254
 LIVETIME: 2660.5s
 ROLL ANGLE: 84.7°

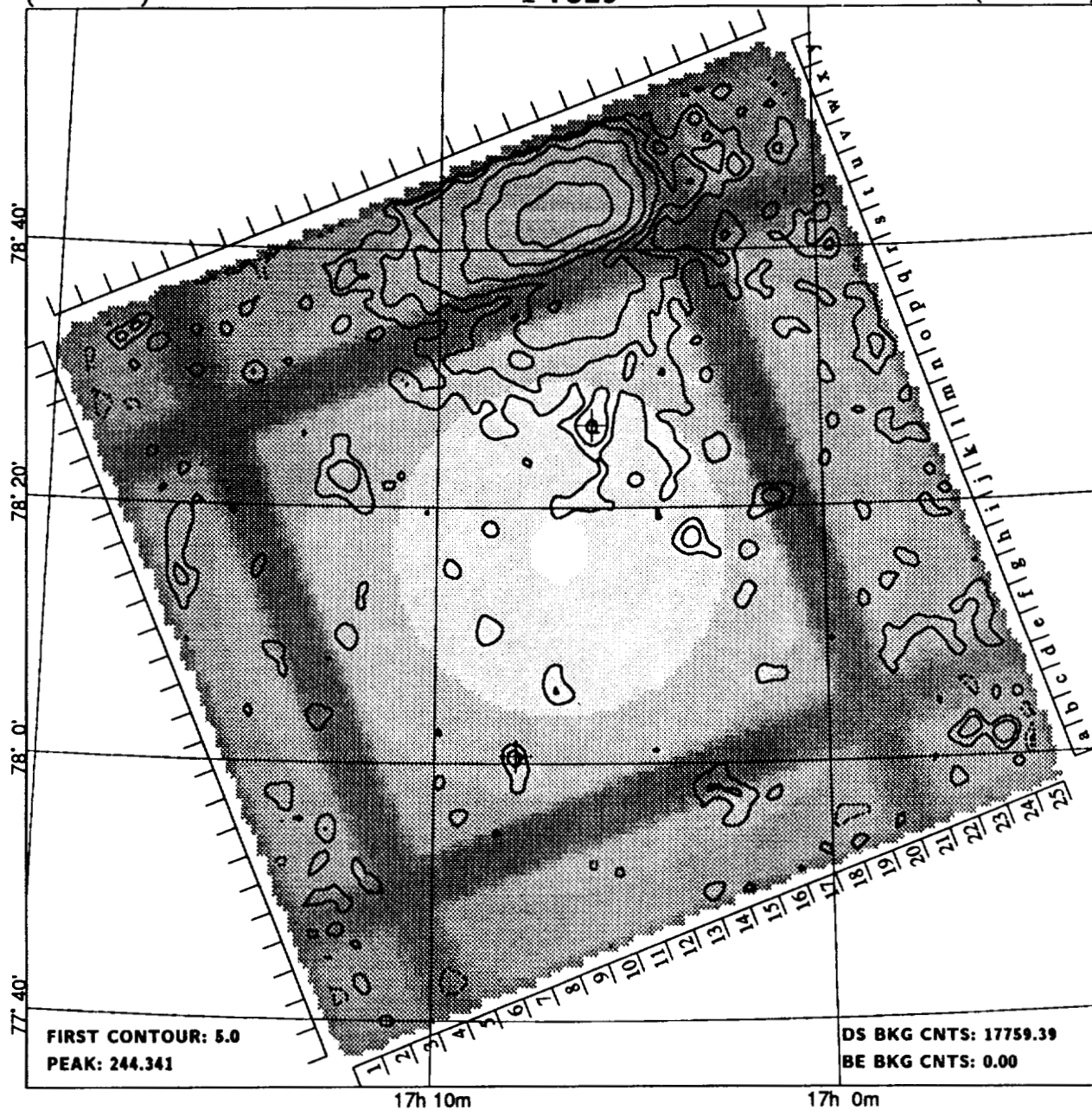
NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3846	1	17 08 09.5	-16 57 02	52	*0.0283	0.0060	25.2	3.8	4.7	2.2	804	31.0	H

(17h 6m)

I 7529

(17h 6m)



A2256 OFFSET POINTING POSITIONS

FIELD CENTER: $17^h 06^m 44.8^s$ $78^\circ 16' 59''$ (B1950)
 $17^h 04^m 06.5^s$ $78^\circ 13' 03''$ (J2000)
 $l: 110.54$ $b: 31.90$

DATE: 1980/ 44 - 1980/ 46
 LIVETIME: 14391.0s
 ROLL ANGLE: -111.6°

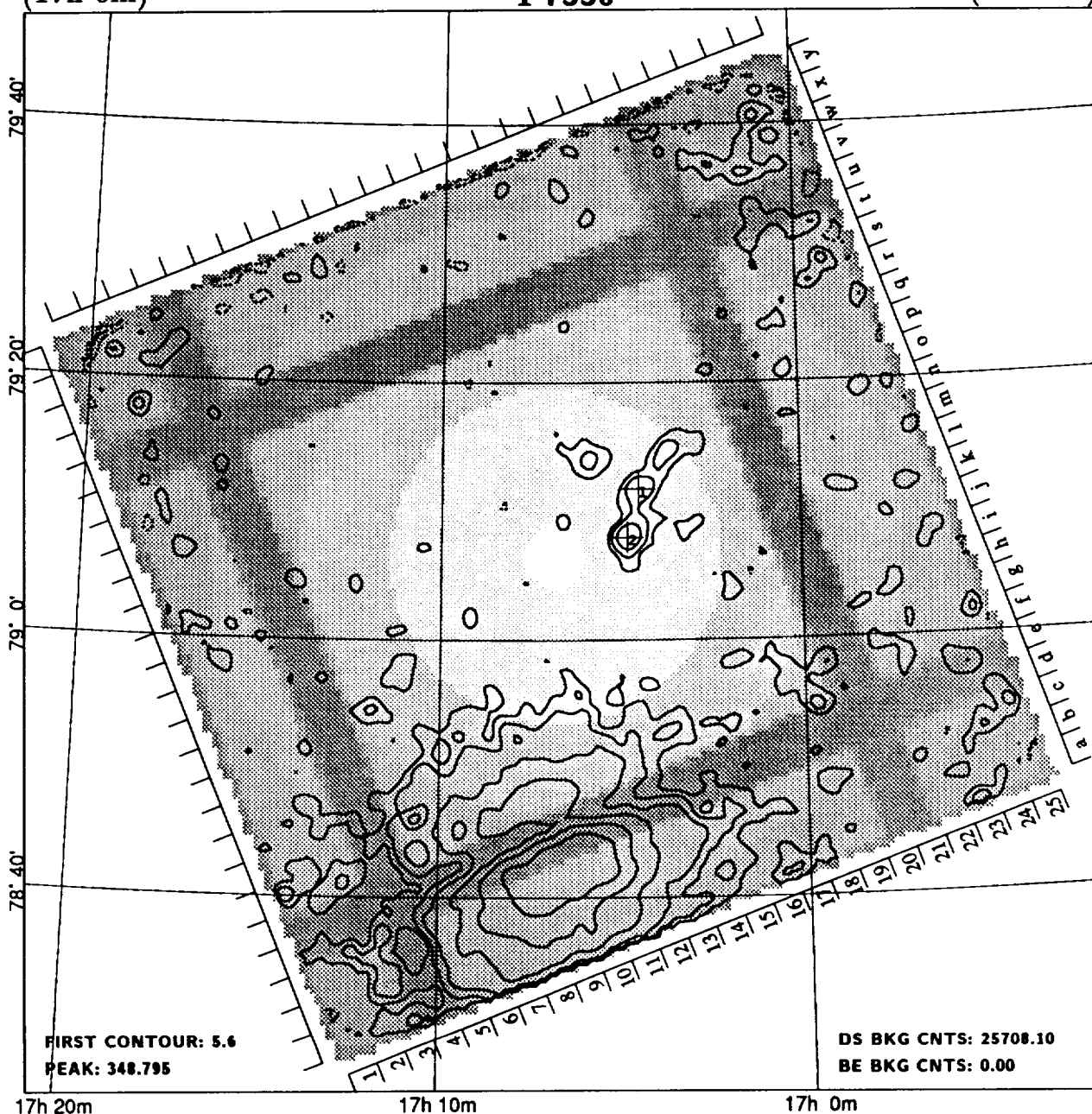
NH: $4.1E+20$
 REF/ID: CLG
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3838	1L	17 05 59.4	78 26 25	41	0.0072	0.0015	68.9	60.1	4.8	163.1	0	9.5	A	
3844	2L	17 07 56.3	78 00 35	56	0.0054	0.0013	43.8	28.2	4.2	0.8	0	16.8		

(17h 6m)

I 7530

(17h 6m)

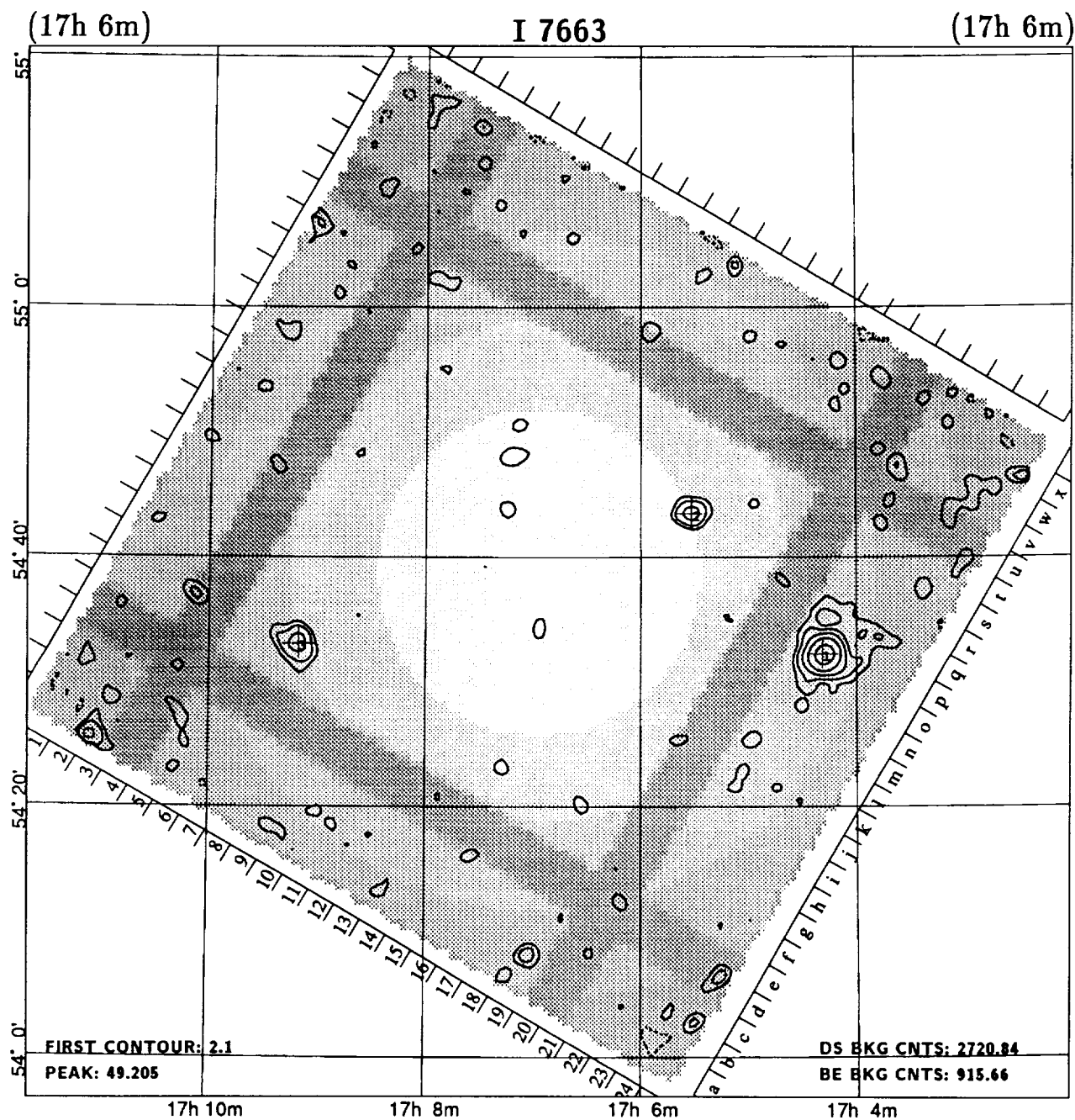


FIELD CENTER: $17^h 06^m 44.8^s$ $79^\circ 06' 59''$ (B1950)
 $17^h 03^m 42.0^s$ $79^\circ 03' 02''$ (J2000)
 $l: 111.46$ $b: 31.62$

DATE: 1980/ 44 - 1980/ 46
LIVETIME: 20832.0s
ROLL ANGLE: -111.5°

NH: 4.4E+20
REF/ID: CLG
FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3833	1L	17 04 30.6	79 11 48	41	0.0038	0.0010	54.2	79.8	3.6	4.0	0	7.9	
3835	2L	17 04 49.8	79 08 04	38	0.0107	0.0012	157.9	68.1	8.8	2.2	0	5.6	

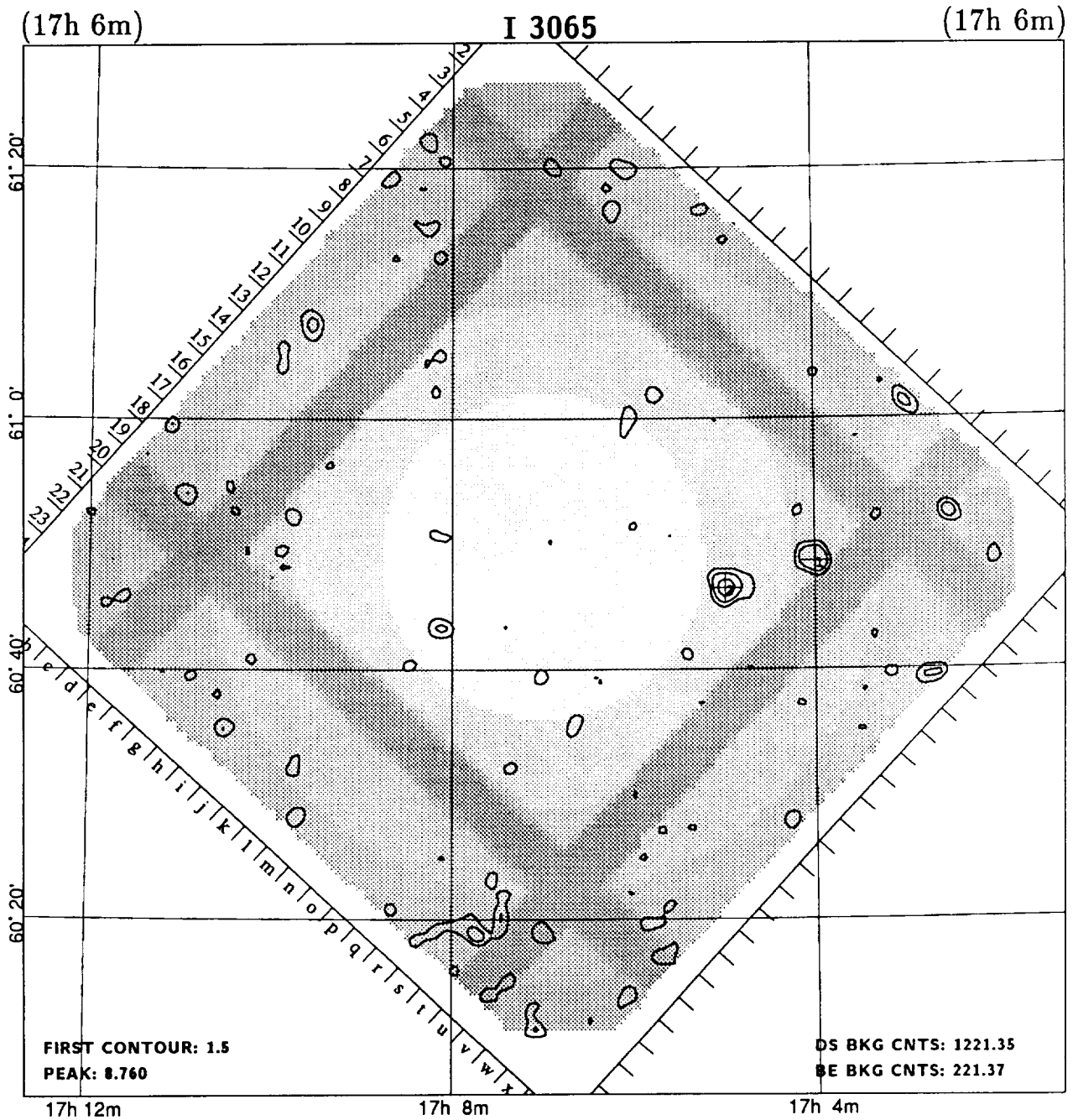


FIELD CENTER: $17^h 06^m 50.8^s$ $54^\circ 38' 53''$ (B1950)
 $17^h 07^m 53.0^s$ $54^\circ 35' 05''$ (J2000)
 $l: 82.41$ $b: 36.64$

DATE: 1980/ 99 - 1980/100
 LIVETIME: 2284.0s
 ROLL ANGLE: -59.9°

NH: $2.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3830	1	17 04 18.9	54 32 18	48	0.119	0.011	122.8	6.2	10.8	1.4	0	22.9	AH	S
3837	2	17 05 31.6	54 43 30	42	0.0247	0.0047	35.1	8.9	5.3	0.8	0	12.4	H	
3848	3	17 09 10.6	54 33 11	51	0.0283	0.0055	32.8	7.2	5.2	1.1	0	21.2	H	S



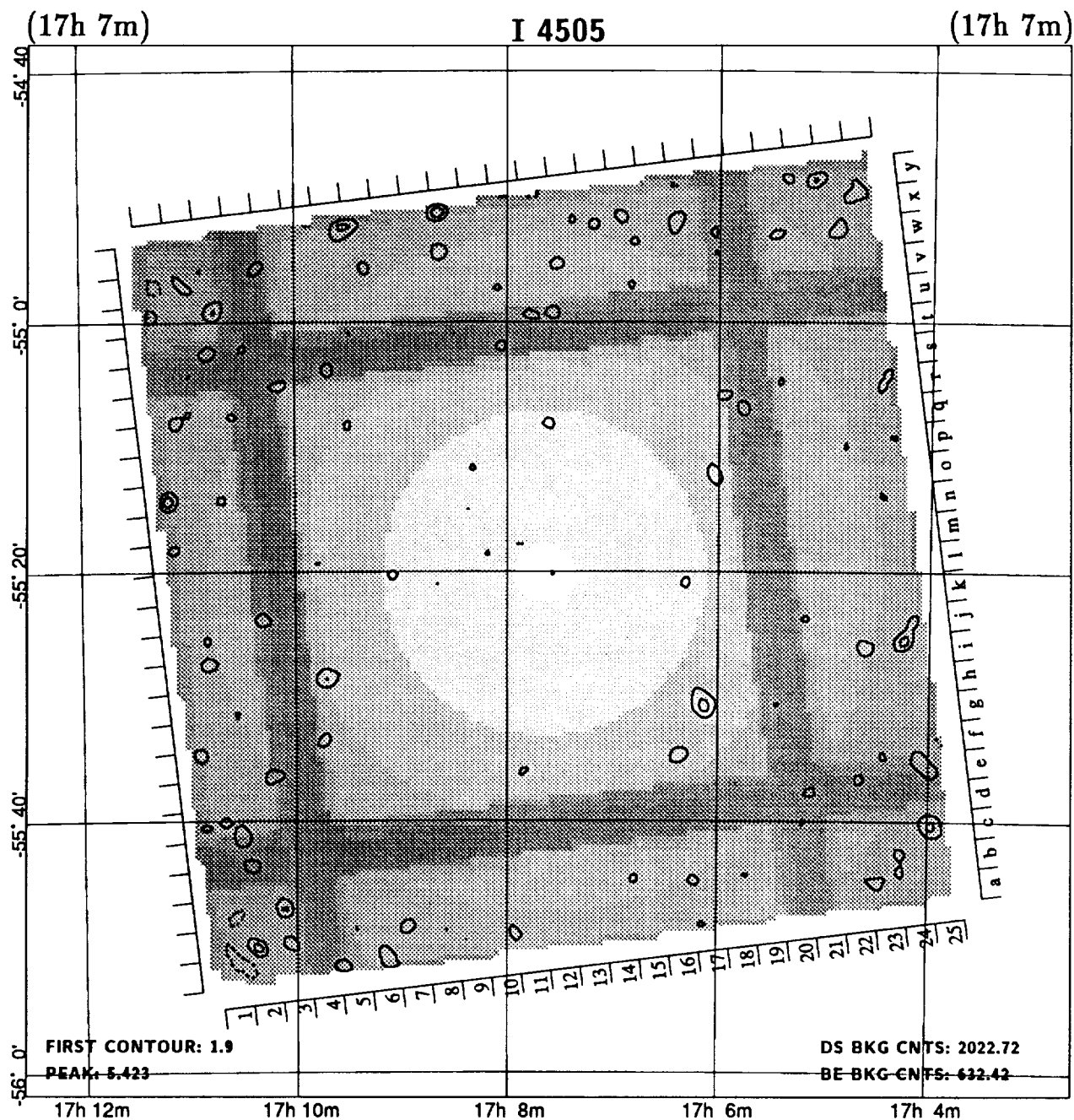
NGC 6306/7: NARROW EMISSION LINE GALAXIESN

FIELD CENTER: $17^h06^m59.8^s$ $60^\circ47'59''$ (B1950)
 $17^h07^m37.3^s$ $60^\circ44'11''$ (J2000)
 $l: 90.01$ $b: 36.03$

DATE: 1979/205 - 1979/205
 LIVETIME: 989.7s
 ROLL ANGLE: 42.5°

NH: $2.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3828	1	17 03 59.5	60 48 34	55	*0.0347	0.0091	16.6	2.4	3.8	0.8	501	22.3	AH	Q
3836	2	17 04 59.3	60 46 24	42	0.0389	0.0087	22.9	3.1	4.5	0.9	0	14.9	AH	BL

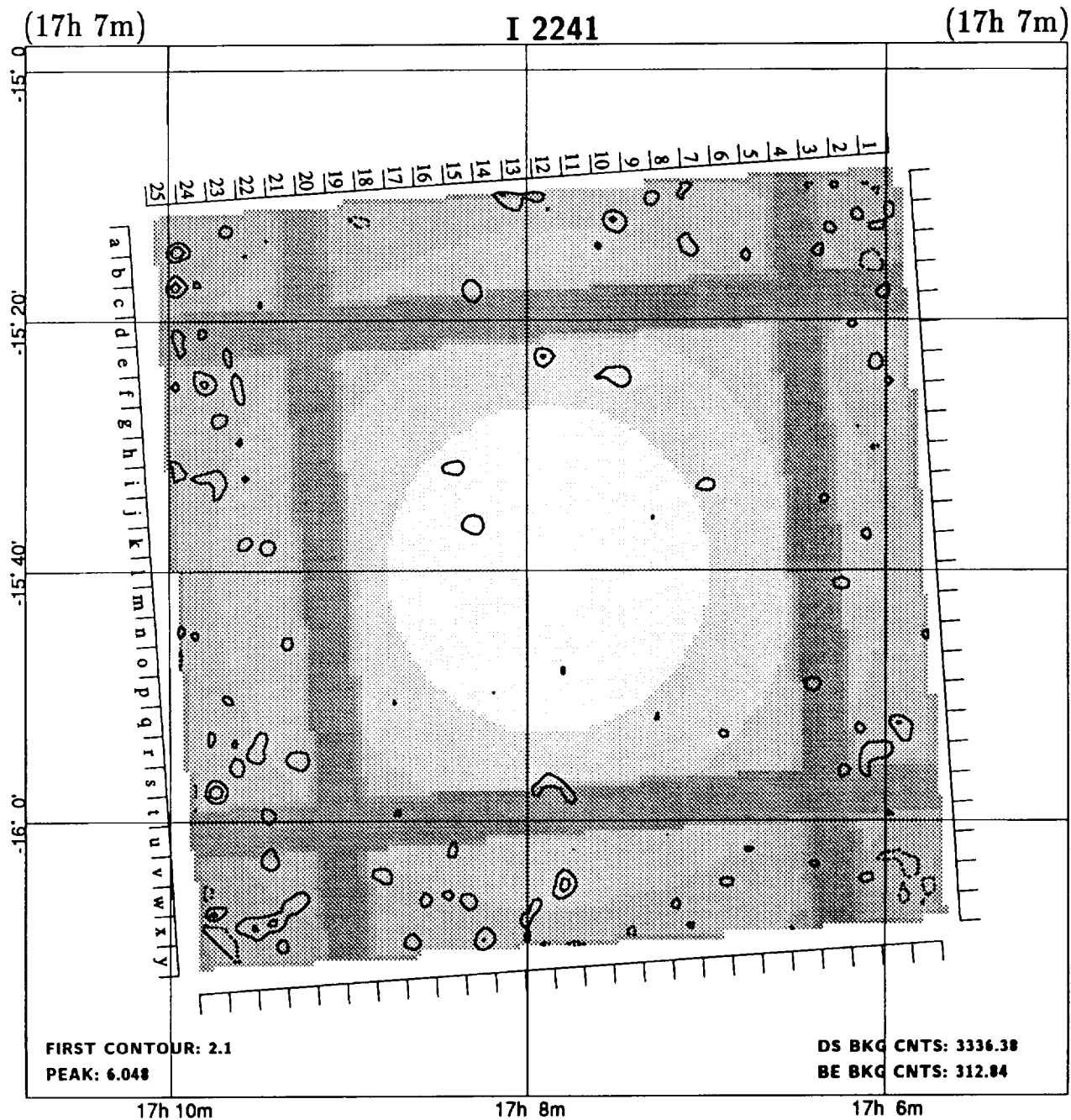


IC 4642: PLANETARY NEBULAE

FIELD CENTER: $17^{\text{h}}07^{\text{m}}35.8^{\text{s}}$ $-55^{\circ}19'59''$ (B1950)
 $17^{\text{h}}11^{\text{m}}44.0^{\text{s}}$ $-55^{\circ}23'38''$ (J2000)
 $l: 334.39$ $b: -9.34$

DATE: 1980/ 73 - 1980/ 73
 LIVETIME: 1697.9s
 ROLL ANGLE: -96.9°

NH: $1.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:



STELLAR SURVEY-EARLY TYPE STARS: HD155125=ETA OPH

FIELD CENTER: $17^{\text{h}}07^{\text{m}}53.7^{\text{s}}$ $-15^{\circ}39'59''$ (B1950)
 $17^{\text{h}}10^{\text{m}}45.9^{\text{s}}$ $-15^{\circ}43'39''$ (J2000)
 $l: 6.77$ $b: 13.93$

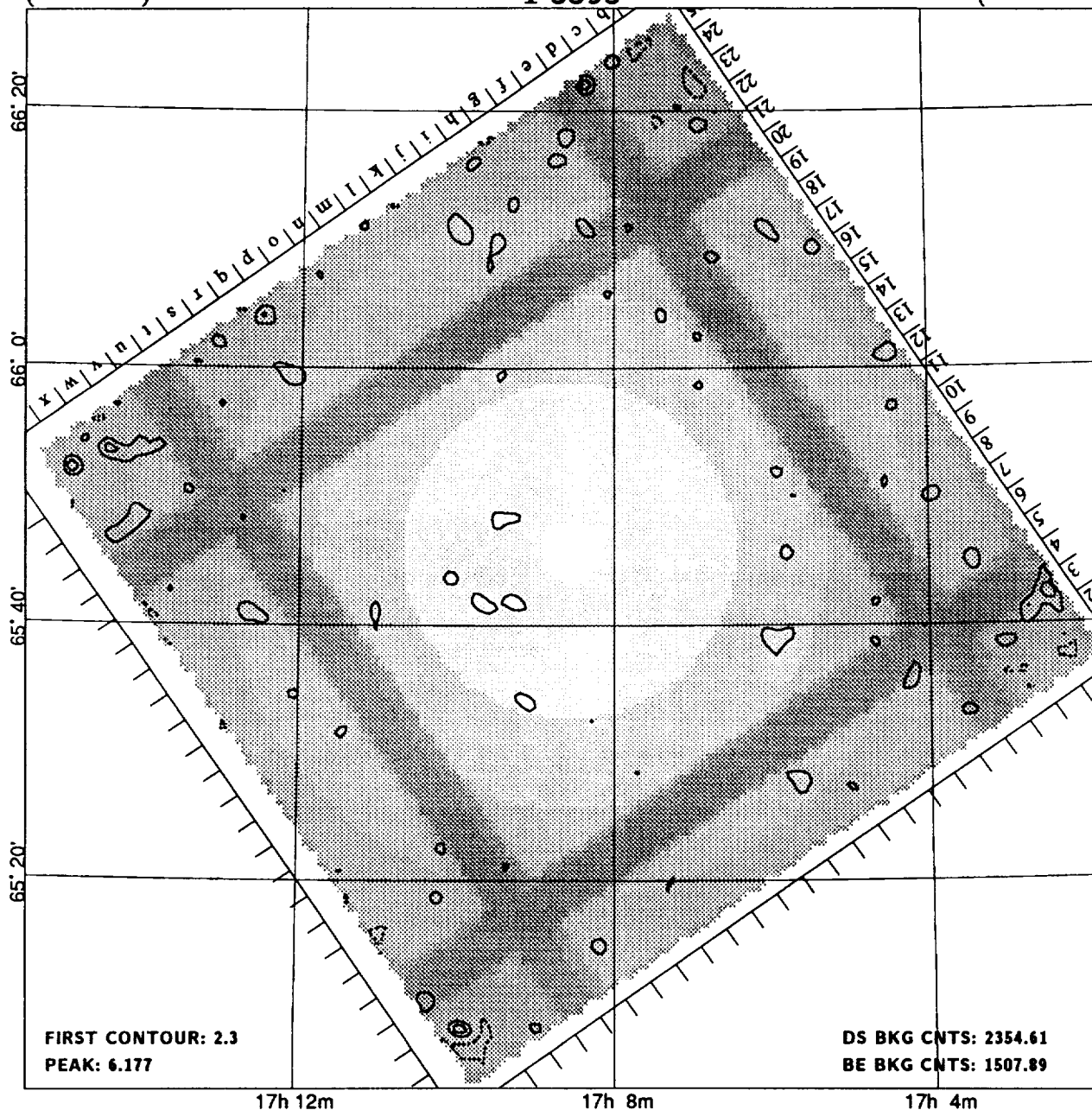
DATE: 1979/265 - 1979/265
 LIVETIME: 2703.6s
 ROLL ANGLE: 86.2°

NH: $2.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(17h 8m)

I 5593

(17h 8m)



FIELD CENTER: $17^{\text{h}}08^{\text{m}}38.7^{\text{s}}$ $65^{\circ}45'59''$ (B1950)
 $17^{\text{h}}08^{\text{m}}48.0^{\text{s}}$ $65^{\circ}42'17''$ (J2000)
 $l: 96.00$ $b: 35.04$

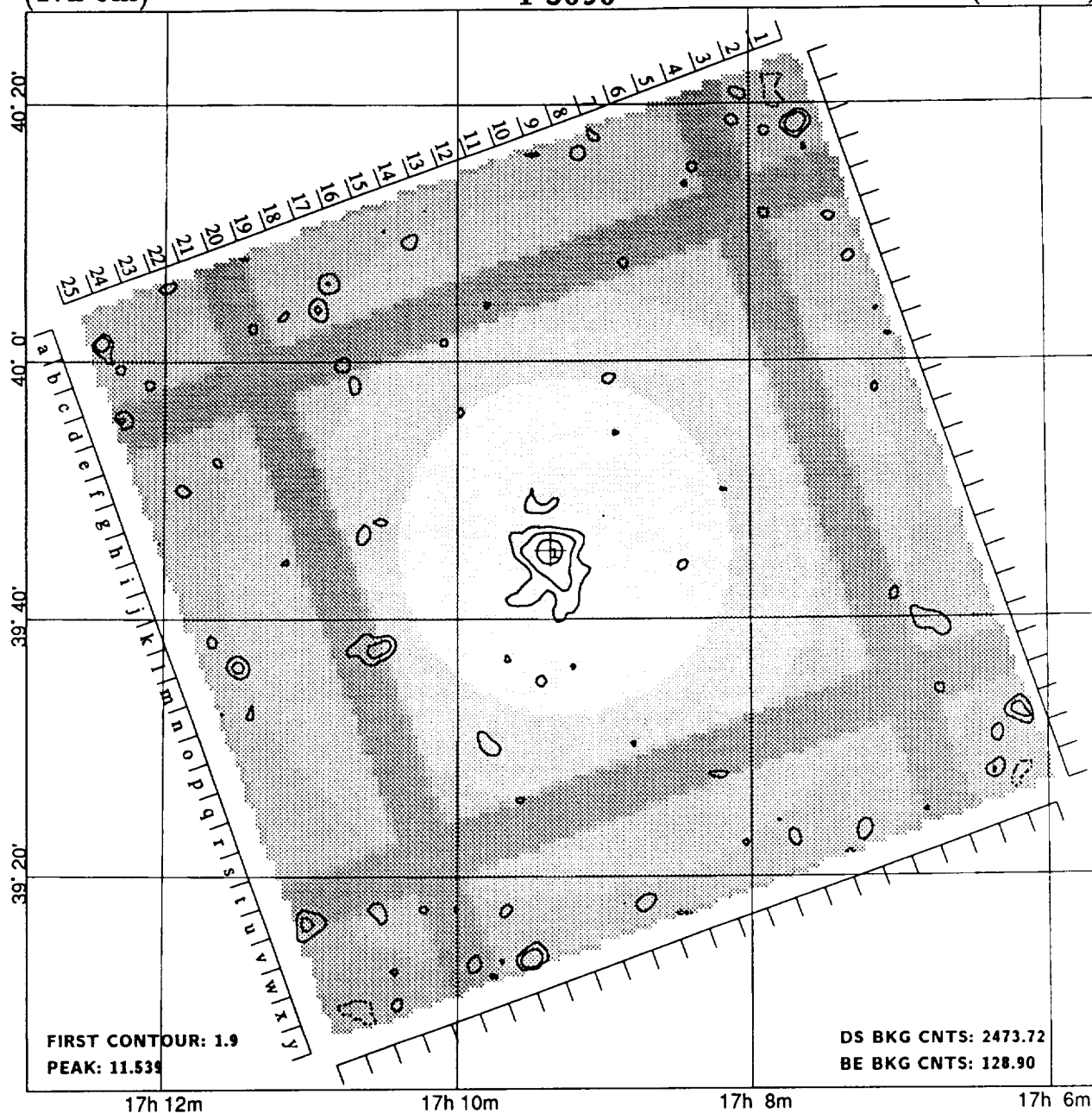
DATE: 1979/310 - 1979/310
 LIVETIME: 1908.0s
 ROLL ANGLE: 145.4°

NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(17h 9m)

I 3090

(17h 9m)



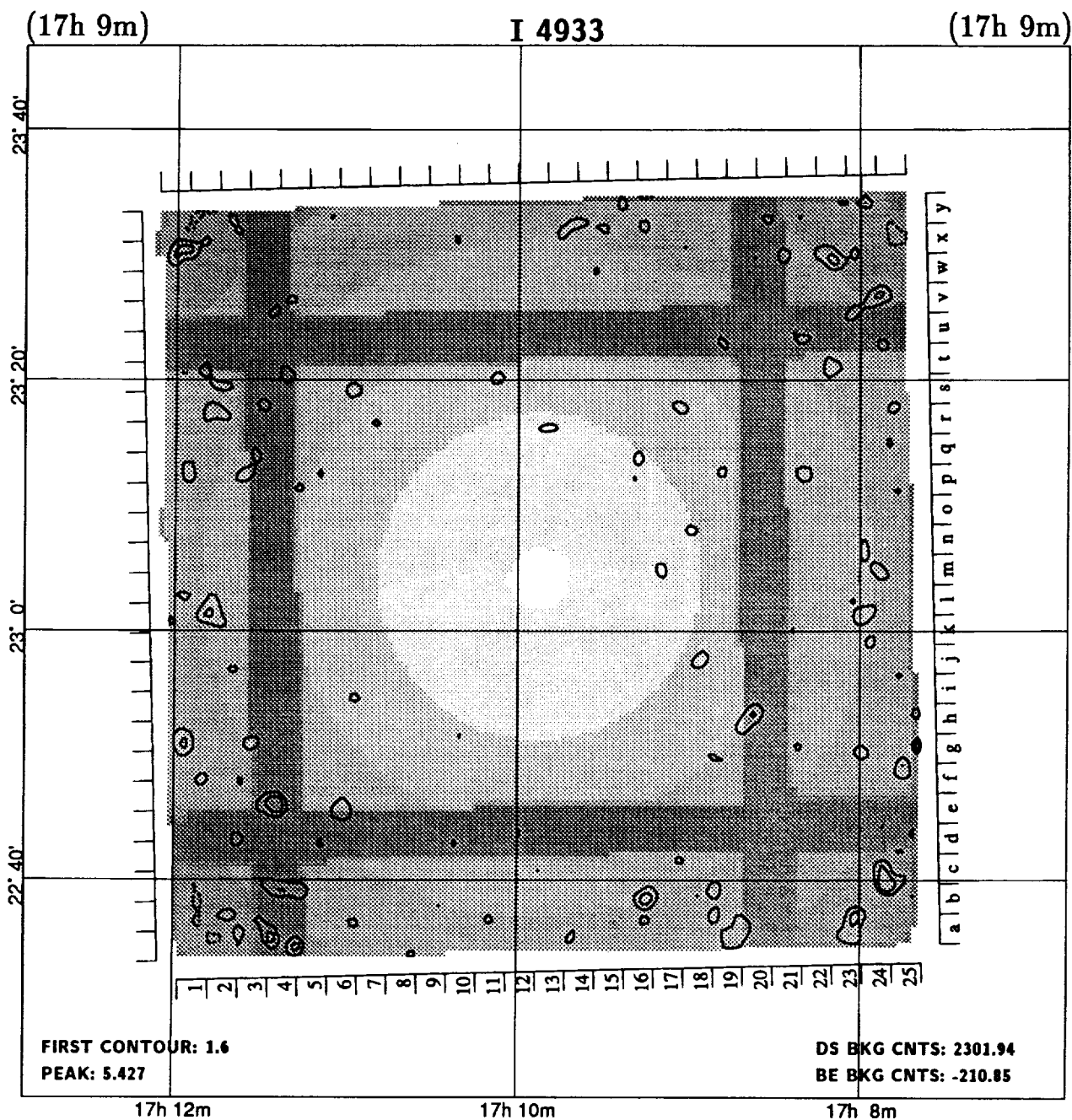
RADIO SOURCES WITH STEEP SPECTRA: ABELL 2250

FIELD CENTER: $17^{\text{h}}09^{\text{m}}17.8^{\text{s}}$ $39^{\circ}45'23''$ (B1950)
 $17^{\text{h}}10^{\text{m}}57.4^{\text{s}}$ $39^{\circ}41'47''$ (J2000)
 $l: 63.99$ $b: 35.59$

DATE: 1979/238 - 1979/238
 LIVETIME: 2004.5s
 ROLL ANGLE: 70.3°

NH: $2.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3849	1	17 09 21.9	39 45 19	35	0.0350	0.0052	52.0	7.0	6.8	2.0	0	0.9	H	



EG224: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $17^{\text{h}}09^{\text{m}}49.8^{\text{s}}$ $23^{\circ}04'41''$ (B1950)
 $17^{\text{h}}11^{\text{m}}55.8^{\text{s}}$ $23^{\circ}01'08''$ (J2000)
 ℓ : 44.54 b : 31.53

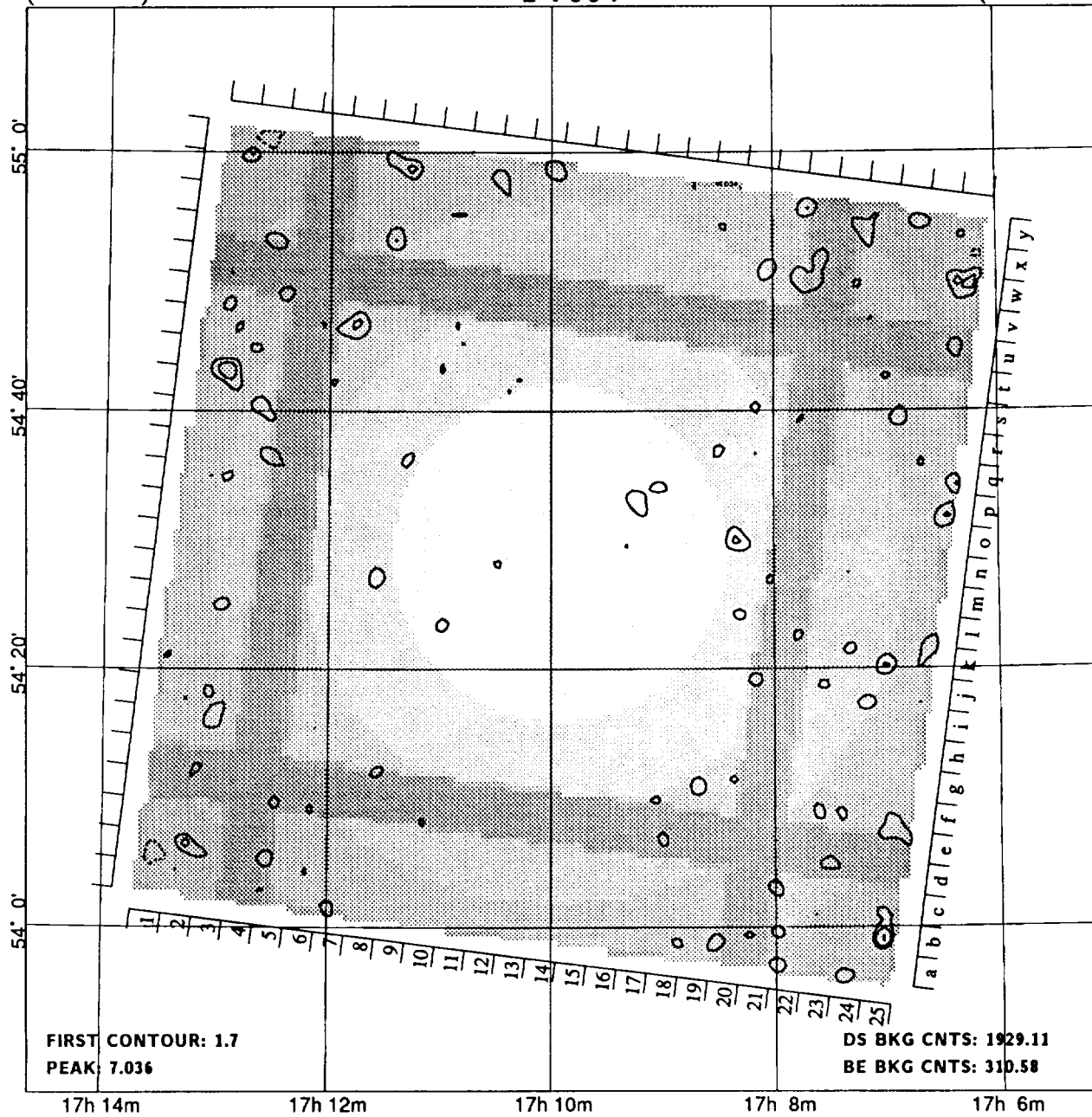
DATE: 1980/ 71 - 1980/ 71
 LIVETIME: 1932.3s
 ROLL ANGLE: -91.4°

NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 9m)

I 7664

(17h 9m)



FIELD CENTER: $17^{\text{h}}09^{\text{m}}53.8^{\text{s}}$ $54^{\circ}29'20''$ (B1950)
 $17^{\text{h}}10^{\text{m}}56.2^{\text{s}}$ $54^{\circ}25'45''$ (J2000)
 ℓ : 82.18 b : 36.21

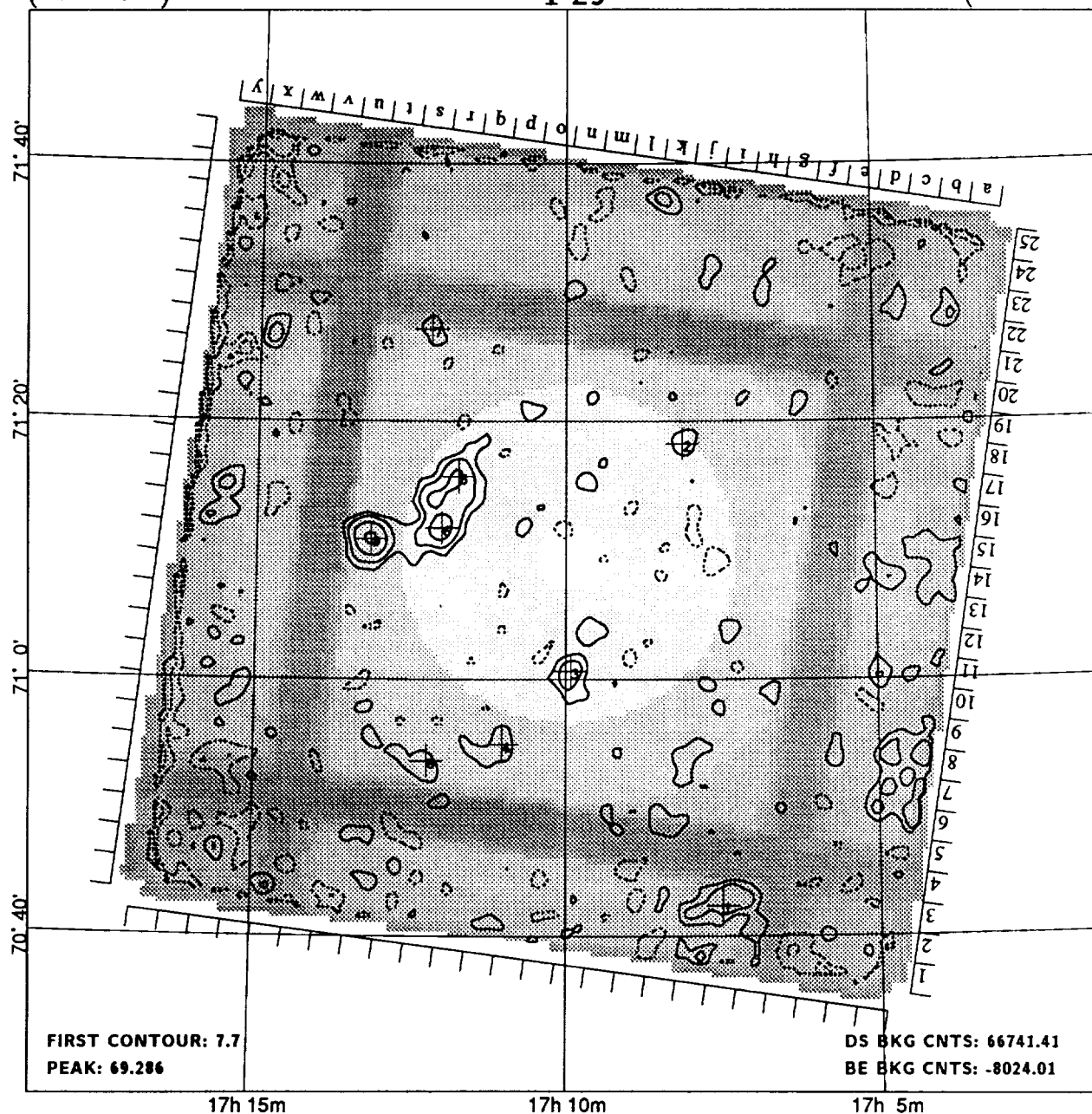
DATE: 1980/ 74 - 1980/ 74
 LIVETIME: 1619.3s
 ROLL ANGLE: -82.8°

NH: $2.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 10m)

I 29

(17h 10m)



DRA DEEP SURVEY

FIELD CENTER: $17^h 10^m 00.0^s$ $71^\circ 09' 59''$ (B1950)
 $17^h 09^m 22.9^s$ $71^\circ 06' 21''$ (J2000)
 ℓ : 102.35 b : 33.75

DATE: 1978/350 - 1978/354
 LIVETIME: 54082.5s
 ROLL ANGLE: -172.2°

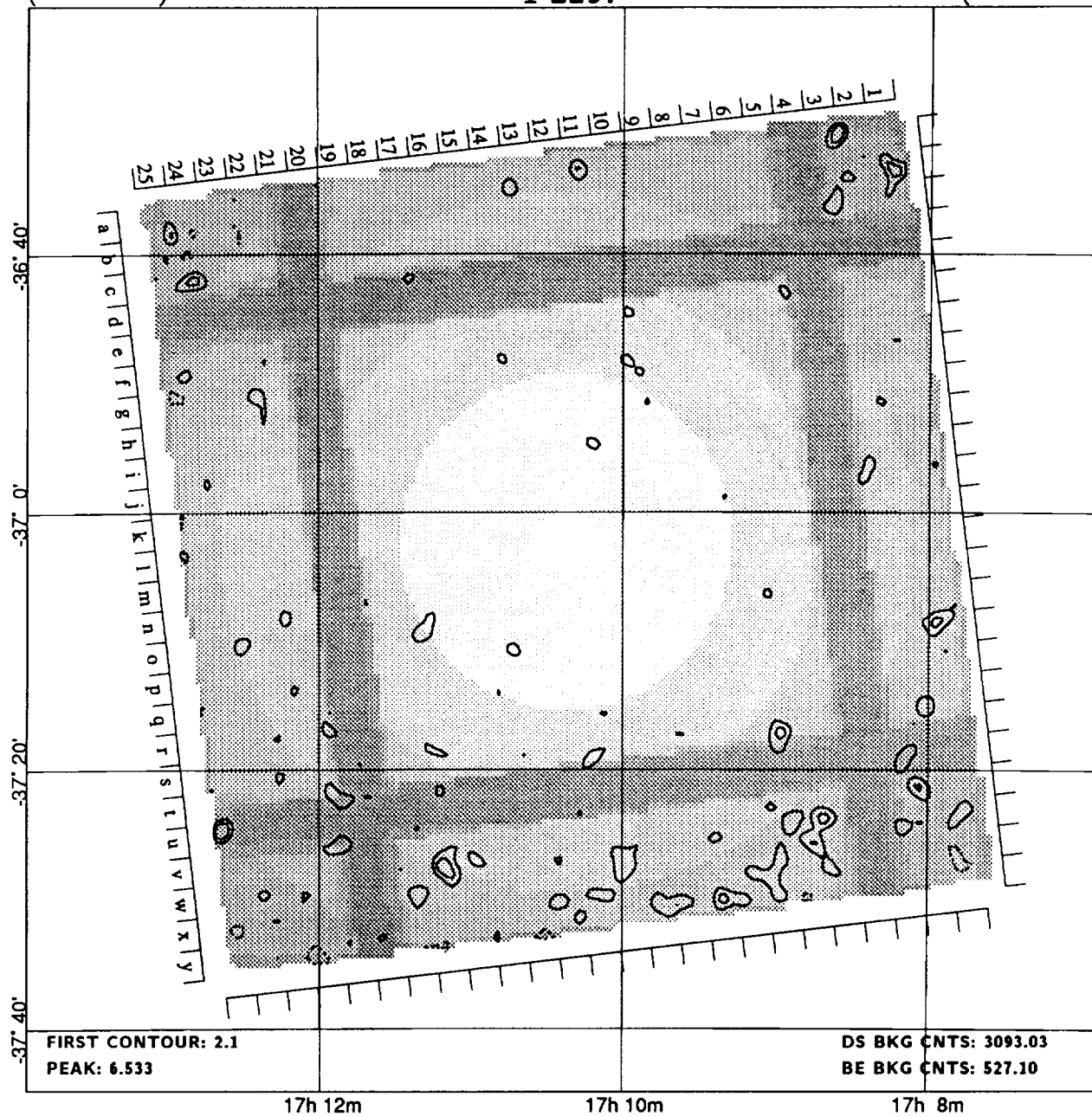
NH: $3.9E+20$
 REF/ID: !
 FIELD FLAGS:

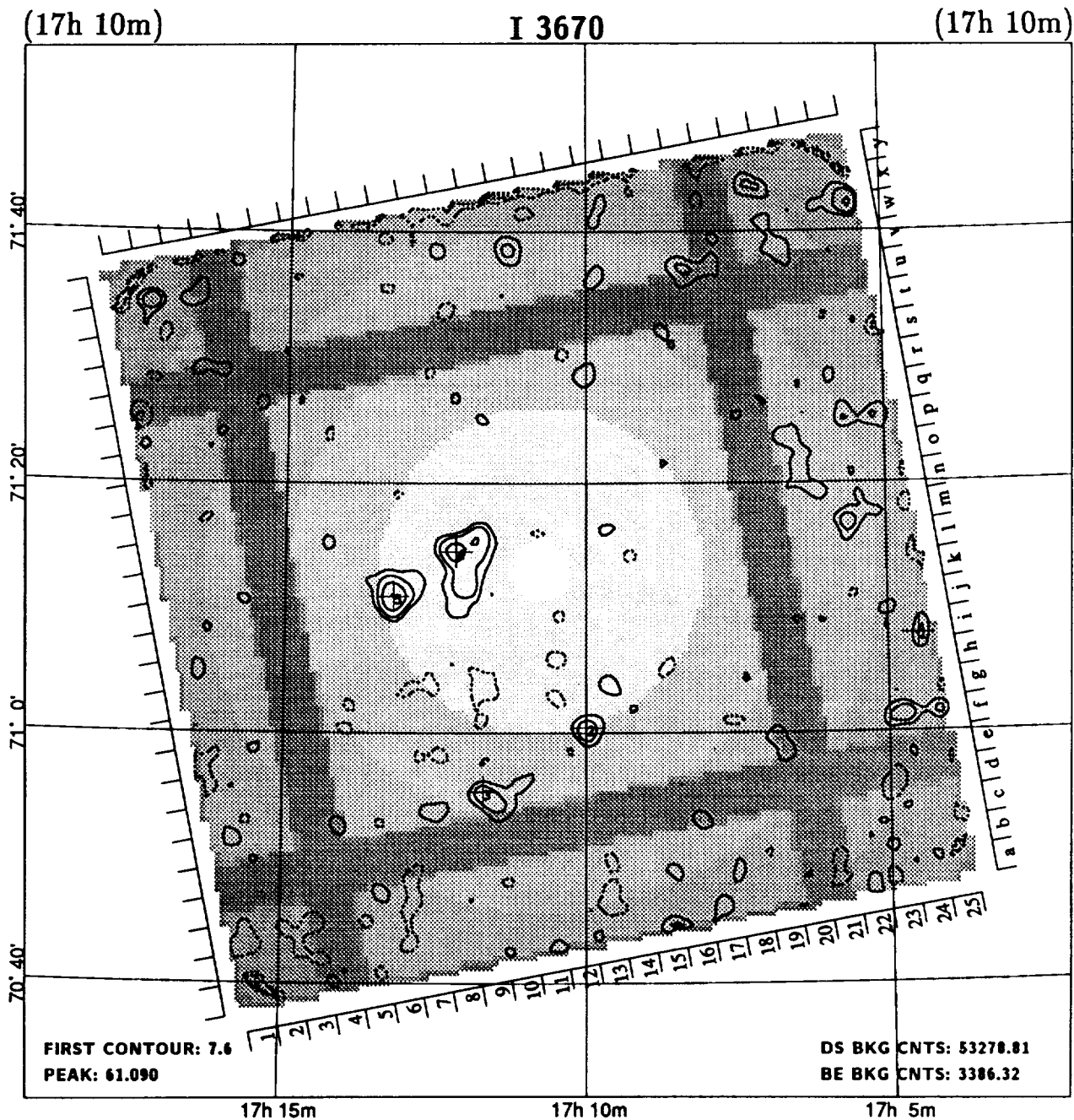
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3843	1	17 07 29.8	70 42 23	54	*0.00233	0.00062	44.7	96.3	3.8	2.1	1004	29.3	H	†
3845	2	17 08 06.7	71 18 15	46	0.00163	0.00038	55.9	117.1	4.2	0.5	0	12.3		•
3852	3	17 09 55.2	71 00 39	41	0.00273	0.00042	99.9	138.1	6.5	1.0	0	9.2	AH	S
3856	4	17 11 01.8	70 54 54	59	0.00143	0.00040	44.9	111.1	3.6	1.0	0	16.0	H	*
3859	5	17 11 44.9	71 15 43	38	0.00397	0.00046	141.4	123.6	8.7	5.5	0	10.6		Q
3861	6	17 12 01.2	71 11 49	38	0.00491	0.00050	176.1	146.9	9.8	4.9	0	10.1	H	S
3863	7	17 12 11.8	71 27 11	53	*0.00158	0.00041	42.9	80.1	3.9	0.6	906	20.2	H	•
3864	8	17 12 14.3	70 53 36	54	0.00147	0.00041	41.3	88.7	3.6	0.9	200	19.8	H	•
3870	9	17 13 09.6	71 10 57	48	0.00758	0.00059	238.8	111.2	12.8	3.3	200	15.4	AH	S

(17h 10m)

I 2297

(17h 10m)





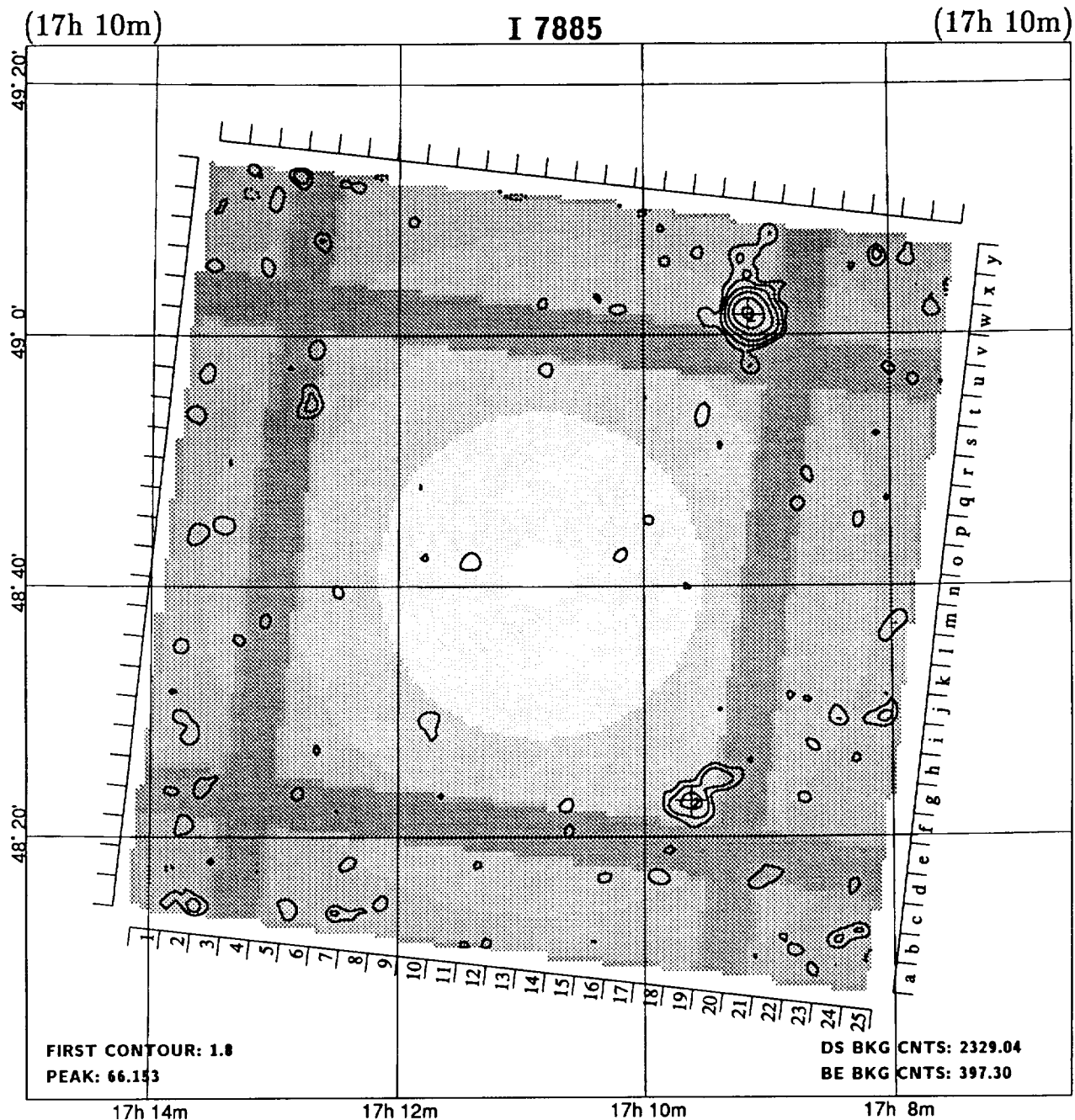
DRACO DEEP SURVEY OFFSET

FIELD CENTER: $17^h 10^m 37.0^s$ $71^\circ 13' 00''$ (B1950)
 $17^h 09^m 59.3^s$ $71^\circ 09' 25''$ (J2000)
 $l: 102.40$ $b: 33.69$

DATE: 1979/ 58 - 1979/ 58
 LIVETIME: 43173.5s
 ROLL ANGLE: -100.6°

NH: $3.9E+20$
 REF/ID: I
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3832	1	17 04 29.6	71 07 53	52	*0.00300	0.00085	38.8	83.2	3.5	0.7	601	30.1	EH	
3852	2	17 10 00.1	71 00 24	41	0.00280	0.00053	75.3	129.7	5.3	0.8	0	12.8	A	S
3857	3	17 11 42.0	70 55 20	51	0.00244	0.00055	56.9	105.1	4.5	1.5	100	18.3		†
3862	4	17 12 10.2	71 14 33	38	0.00533	0.00057	160.3	129.7	9.4	2.2	0	7.8	H	•
3870	5	17 13 12.4	71 10 57	38	0.00687	0.00064	189.4	121.6	10.7	1.1	0	12.8	AH	S



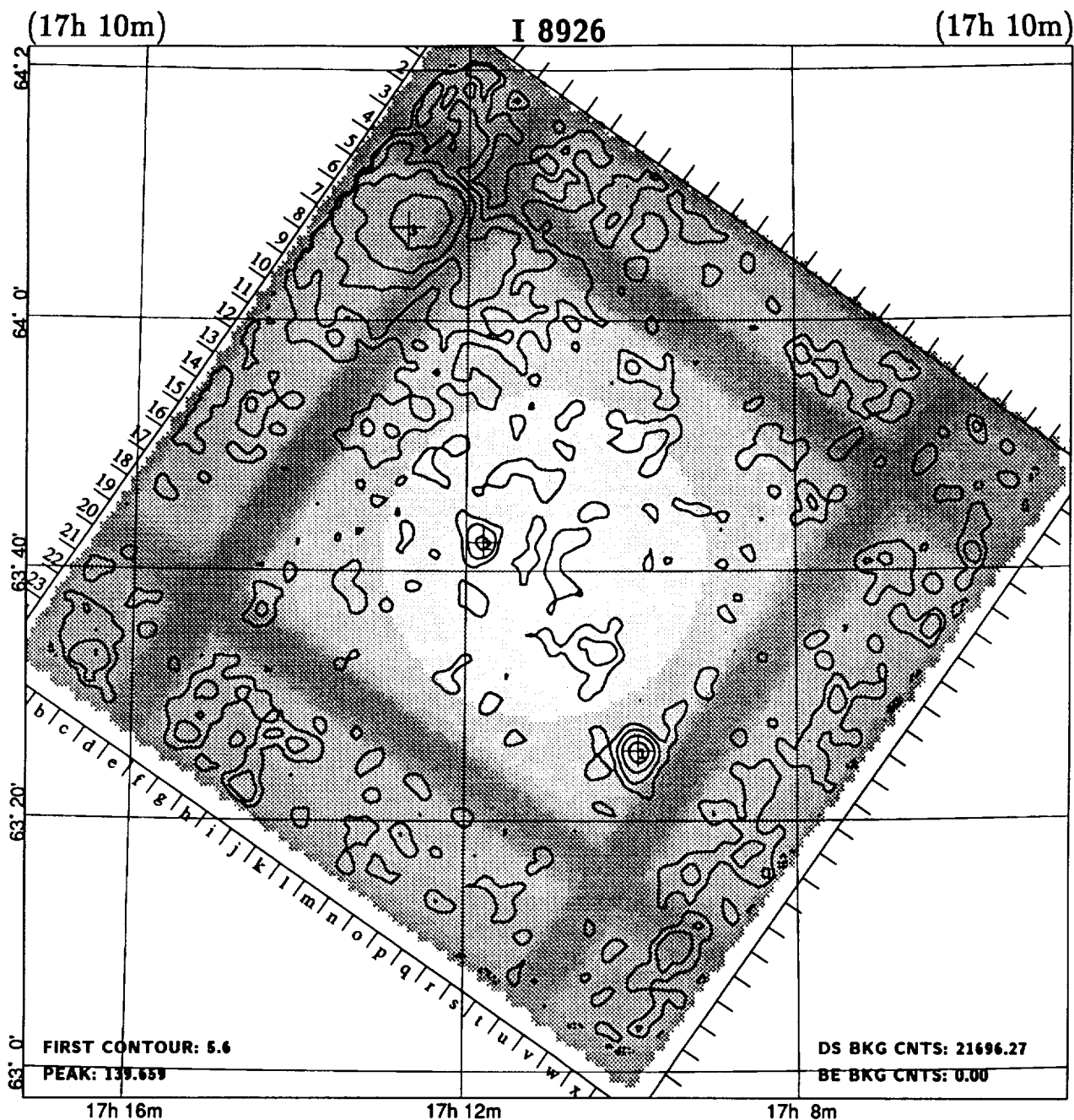
H 1703+49, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: 17^h10^m47.0^s 48°41'16" (B1950)
 17^h12^m06.5^s 48°37'45" (J2000)
 ℓ : 75.00 b : 36.10

DATE: 1980/ 74 - 1980/ 74
 LIVETIME: 1955.1s
 ROLL ANGLE: -83.4°

NH: 2.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3847	1	17 09 09.0	49 01 35	47	0.191	0.016	150.8	4.2	12.1	1.4	500	26.0	AH	S
3850	2	17 09 37.4	48 22 56	51	0.0283	0.0060	26.8	5.2	4.7	1.6	0	21.5	H	



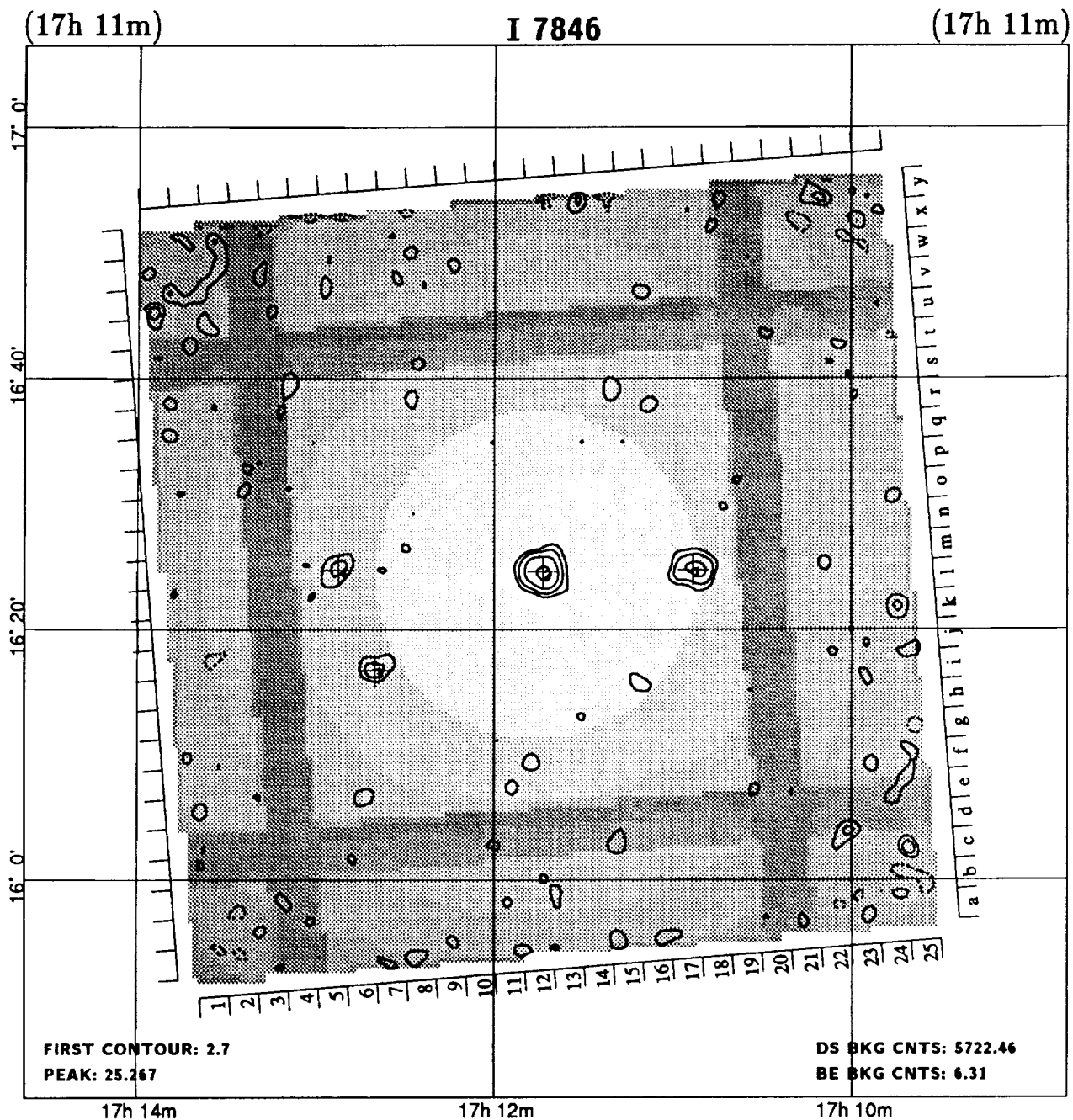
SEARCH FOR X-RAY HALO IN ABELL 2255

FIELD CENTER: $17^{\text{h}}10^{\text{m}}59.8^{\text{s}}$ $63^{\circ}39'59''$ (B1950)
 $17^{\text{h}}11^{\text{m}}21.8^{\text{s}}$ $63^{\circ}36'27''$ (J2000)
 $l: 93.42$ $b: 35.15$

DATE: 1980/201 - 1980/202
 LIVETIME: 17581.2s
 ROLL ANGLE: 34.9°

NH: $2.6\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3851	1L	17 09 54.4	63 25 37	48	0.0182	0.0019	177.6	62.4	9.6	1.3	100	16.1		
3860	2L	17 11 47.6	63 42 20	40	0.0064	0.0012	80.2	77.8	5.1	1.1	0	5.8		
3866	3L	17 12 44.4	64 07 24	47	0.0148	0.0040	97.7	286.3	3.7	10.3	300	29.7	A	CLG



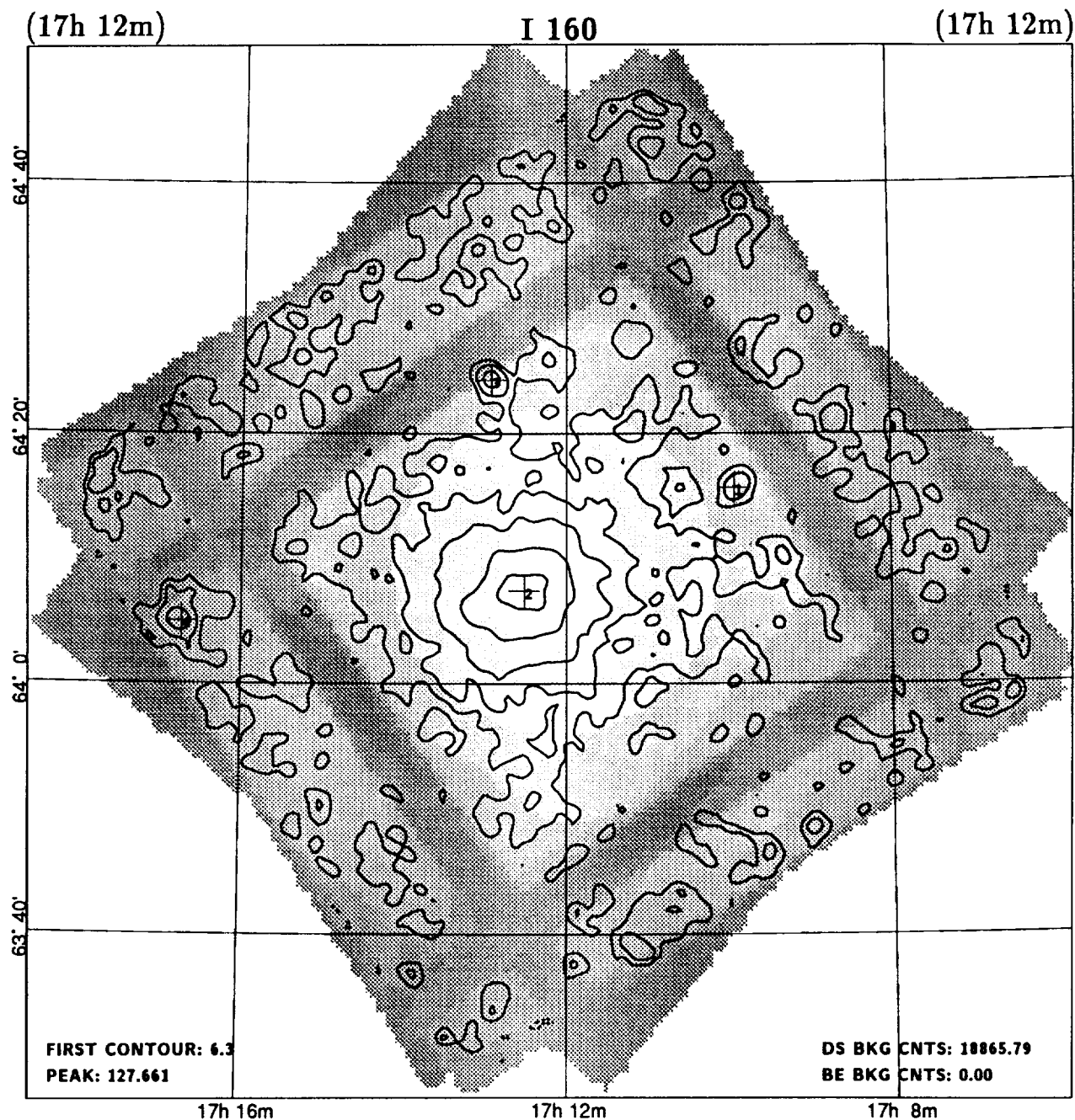
AK HER,SURVEY OF W URSAE MAJORIS STARS

FIELD CENTER: 17^h11^m43.0^s 16°24'35" (B1950)
 17^h13^m57.6^s 16°21'11" (J2000)
 ℓ : 37.51 b : 28.73

DATE: 1980/ 68 - 1980/ 68
 LIVETIME: 4637.1s
 ROLL ANGLE: -94.4°

NH: 6.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3854	1	17 10 53.0	16 24 47	41	0.0179 0.0027	52.3	10.7	6.6	1.0	0	12.1	H	
3858	2	17 11 43.5	16 24 37	31	0.0320 0.0032	110.5	14.5	9.9	1.2	0	0.4	H	S
3867	3	17 12 40.3	16 16 45	52	0.0074 0.0021	20.2	12.8	3.5	0.7	0	15.7		
3868	4	17 12 52.5	16 24 46	56	0.0093 0.0022	24.8	9.2	4.3	0.8	0	16.9		



A2255 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 17^h12^m11.8^s 64°08'59" (B1950)
17^h12^m30.8^s 64°05'32" (J2000)
l: 93.97 *b*: 34.95

DATE: 1979/206 - 1979/311
LIVETIME: 15287.4s

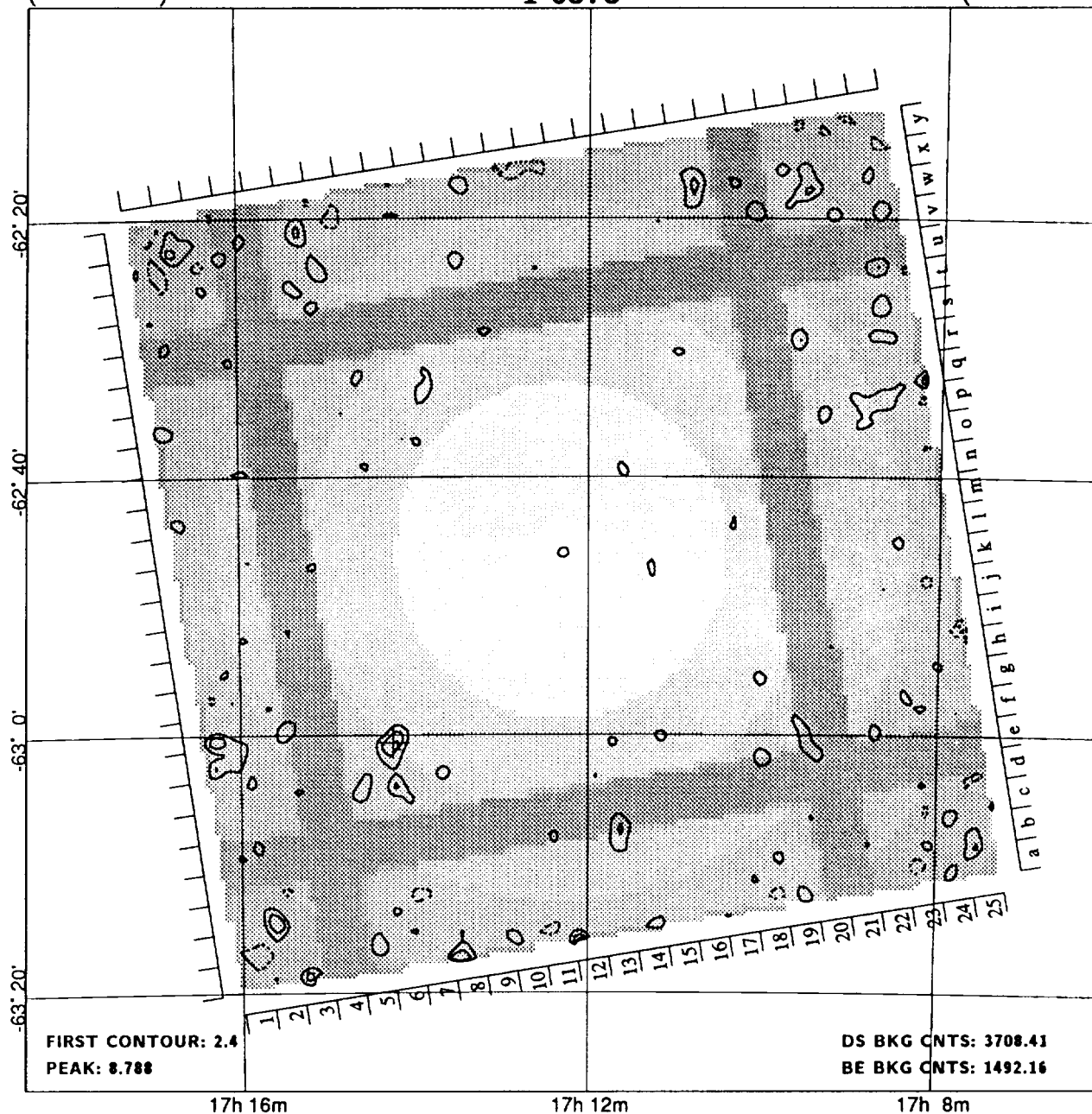
NH: 2.6E+20
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3853	1L	17 09 55.4	64 15 42	55	0.0072	0.0015	63.9	48.1	4.9	1.0	0	16.1	A	
3866	2L	17 12 31.3	64 07 31	31	0.0149	0.0032	166.0	576.0	4.6	13.8	0	2.6	A	CLG
3869	3L	17 12 56.0	64 24 19	50	*0.0091	0.0020	80.0	55.0	4.4	86.1	803	16.2	A	
3878	4L	17 16 43.4	64 05 08	55	0.0112	0.0025	58.8	48.2	4.4	2.2	300	29.7		

(17h 12m)

I 6373

(17h 12m)



N 6300, EMISSION LINE GALAXY SURVEY

FIELD CENTER: $17^h 12^m 17.8^s$ $-62^\circ 45' 47''$ (B1950)
 $17^h 16^m 59.1^s$ $-62^\circ 49' 04''$ (J2000)
 $l: 328.49$ $b: -14.05$

DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 3113.0s
 ROLL ANGLE: -99.0°

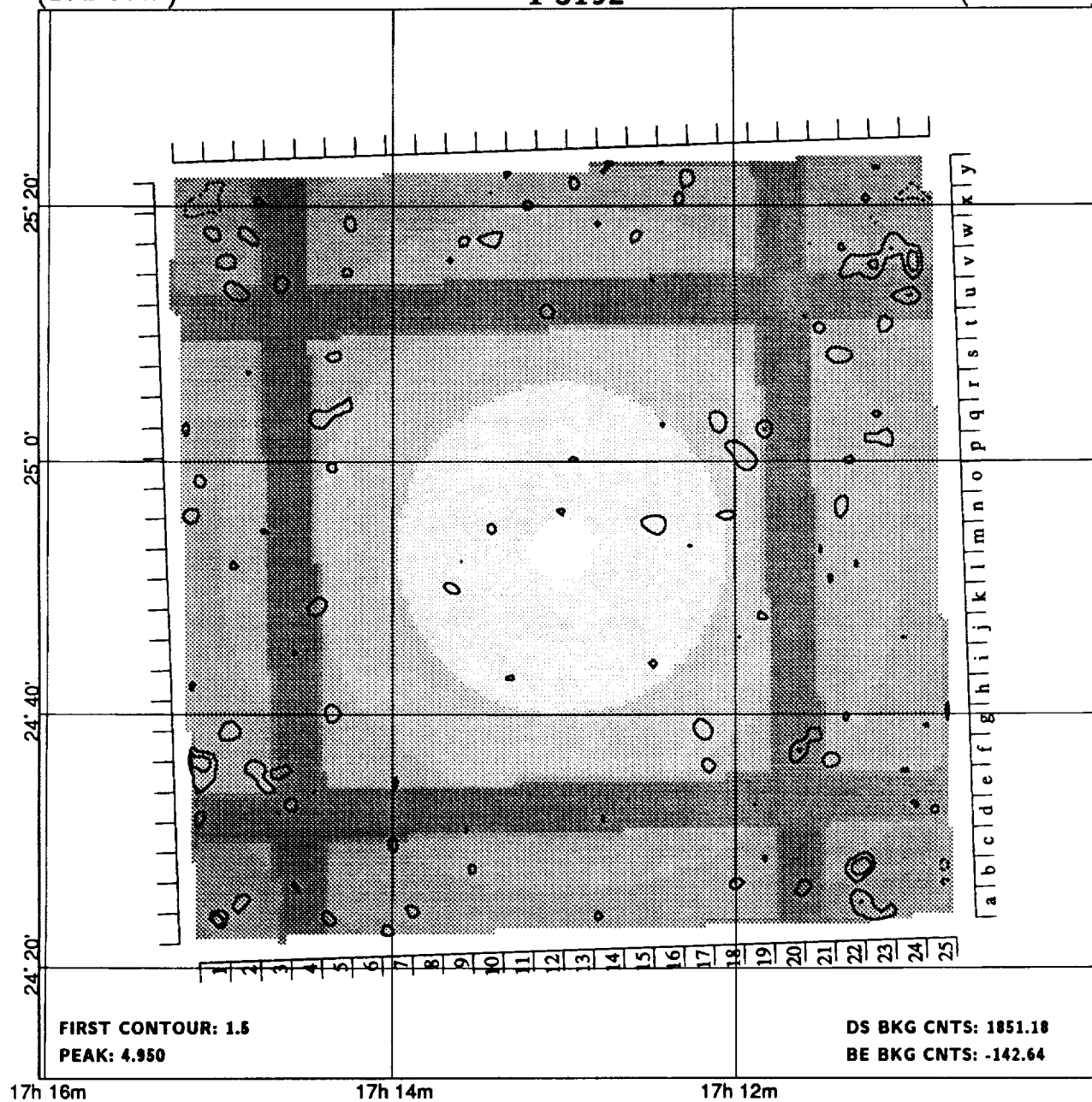
NH: $7.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3872	1	17 14 14.9	-63 00 35	55	0.0118	0.0033	18.8	9.2	3.6	0.8	0	20.0	H

(17h 12m)

I 5192

(17h 12m)

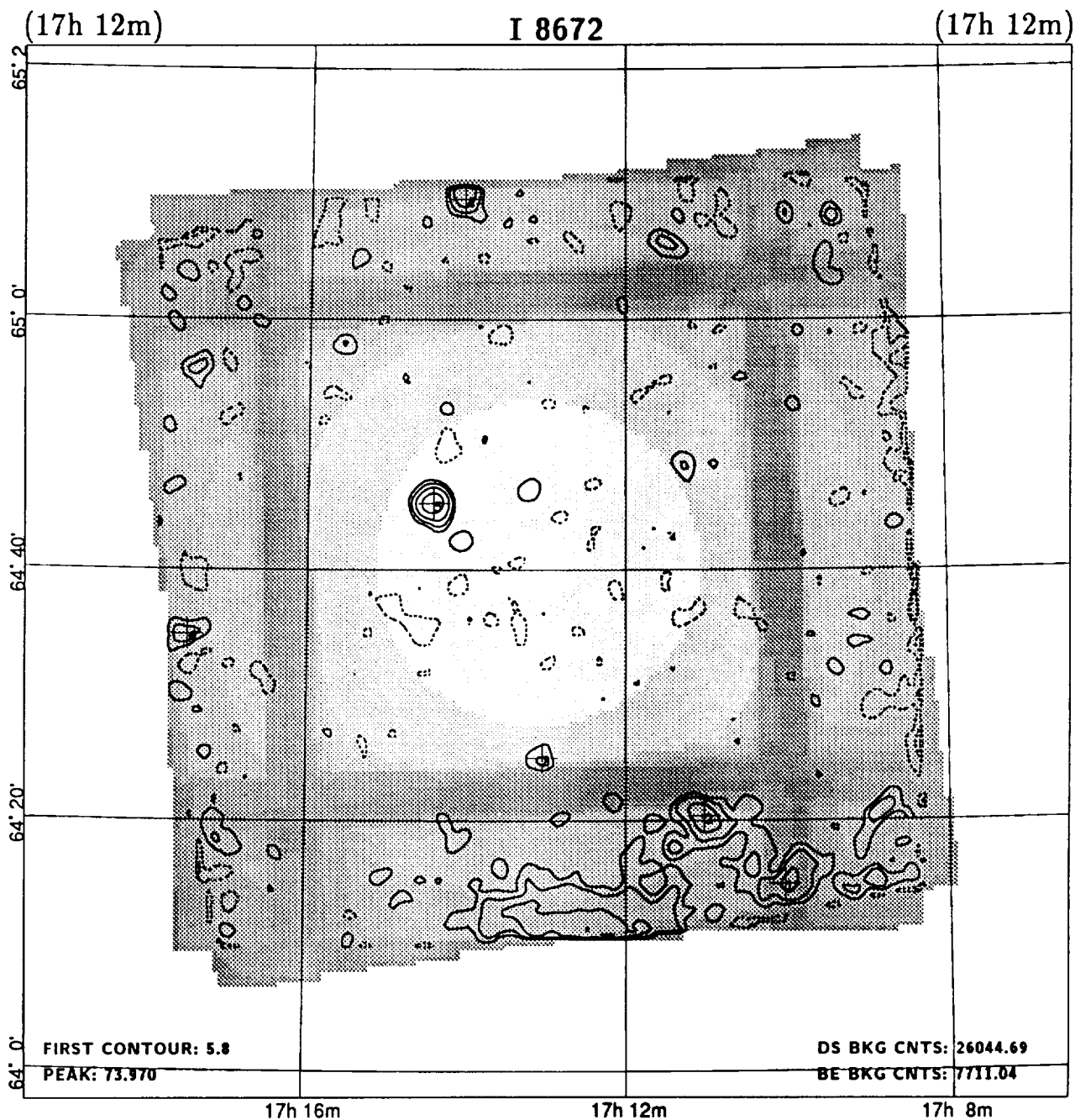


STAR ZETA HER, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $17^h 12^m 57.8^s$ $24^\circ 53' 29''$ (B1950)
 $17^h 15^m 01.3^s$ $24^\circ 50' 10''$ (J2000)
 $l: 46.82$ $b: 31.42$

DATE: 1980/ 71 - 1980/ 71
LIVETIME: 1500.1s
ROLL ANGLE: -91.9°

NH: $4.3E+20$
REF/ID:
FIELD FLAGS:



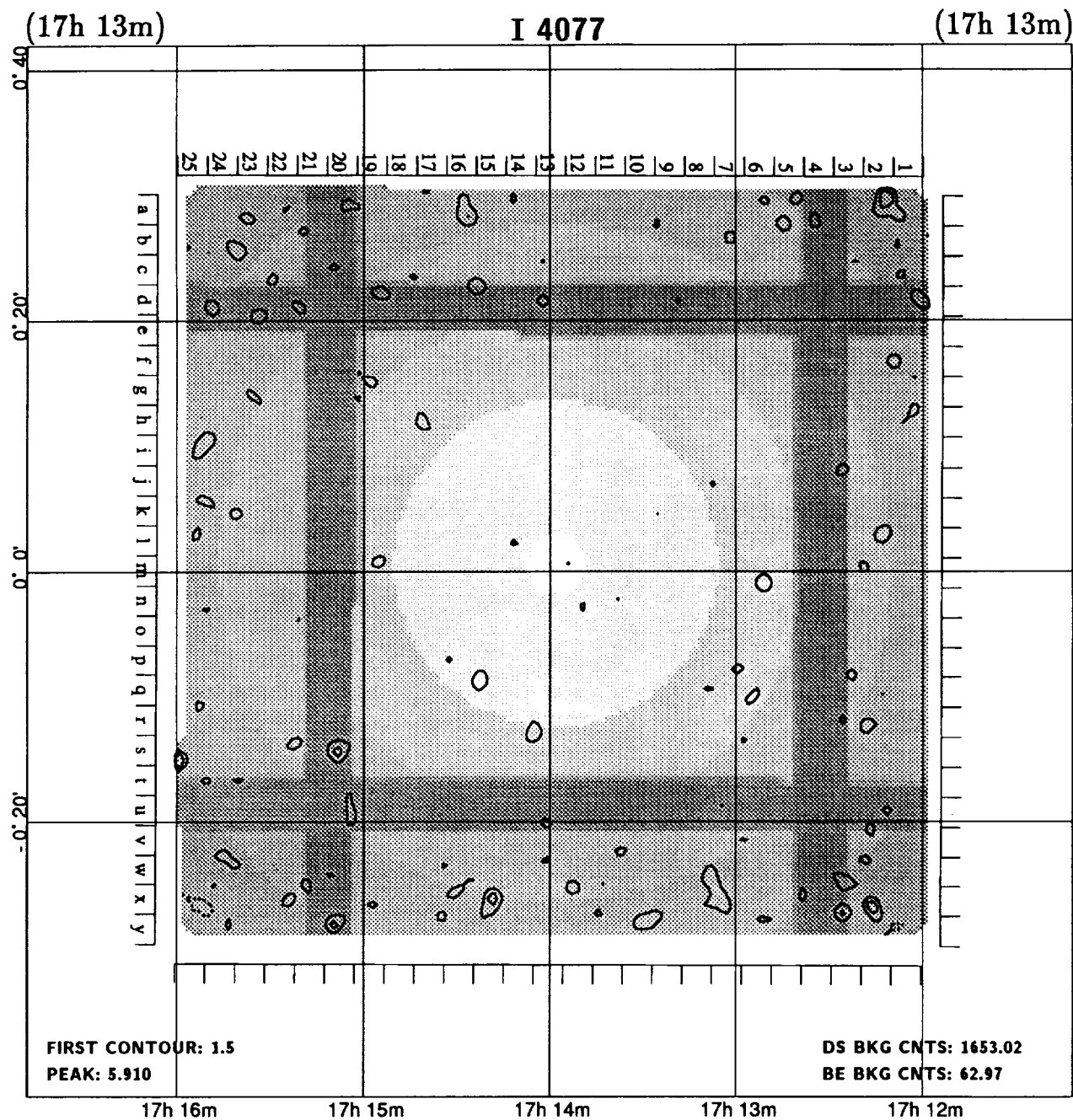
SEARCH FOR X-RAY HALO IN ABELL 2255

FIELD CENTER: 17^h12^m59.8^s 64°39'59" (B1950)
17^h13^m15.6^s 64°36'36" (J2000)
ℓ: 94.58 b: 34.78

DATE: 1980/152 - 1980/153
LIVETIME: 21104.9s

NH: 2.9E+20
REF/ID:
FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3853	1	17 10 01.7	64 14 55	58	*0.0076	0.0014	49.8	38.2	5.3	4.8	1609	31.3	AH	
3855	2	17 11 01.5	64 20 22	50	*0.0111	0.0013	104.2	48.8	8.4	3.6	703	23.1	H	
3869	3	17 13 02.6	64 25 04	46	*0.00339	0.00084	41.8	65.2	4.0	0.6	703	14.8	A	
3871	4	17 14 02.4	65 09 31	51	*0.0099	0.0015	64.5	30.5	6.6	0.9	703	30.5	EH	
3873	5	17 14 25.2	64 45 22	38	0.0187	0.0013	264.0	89.0	14.1	1.0	0	10.7	H	
3882	6	17 17 29.5	64 34 51	60	0.0045	0.0012	35.1	47.9	3.9	0.9	500	29.3	H	

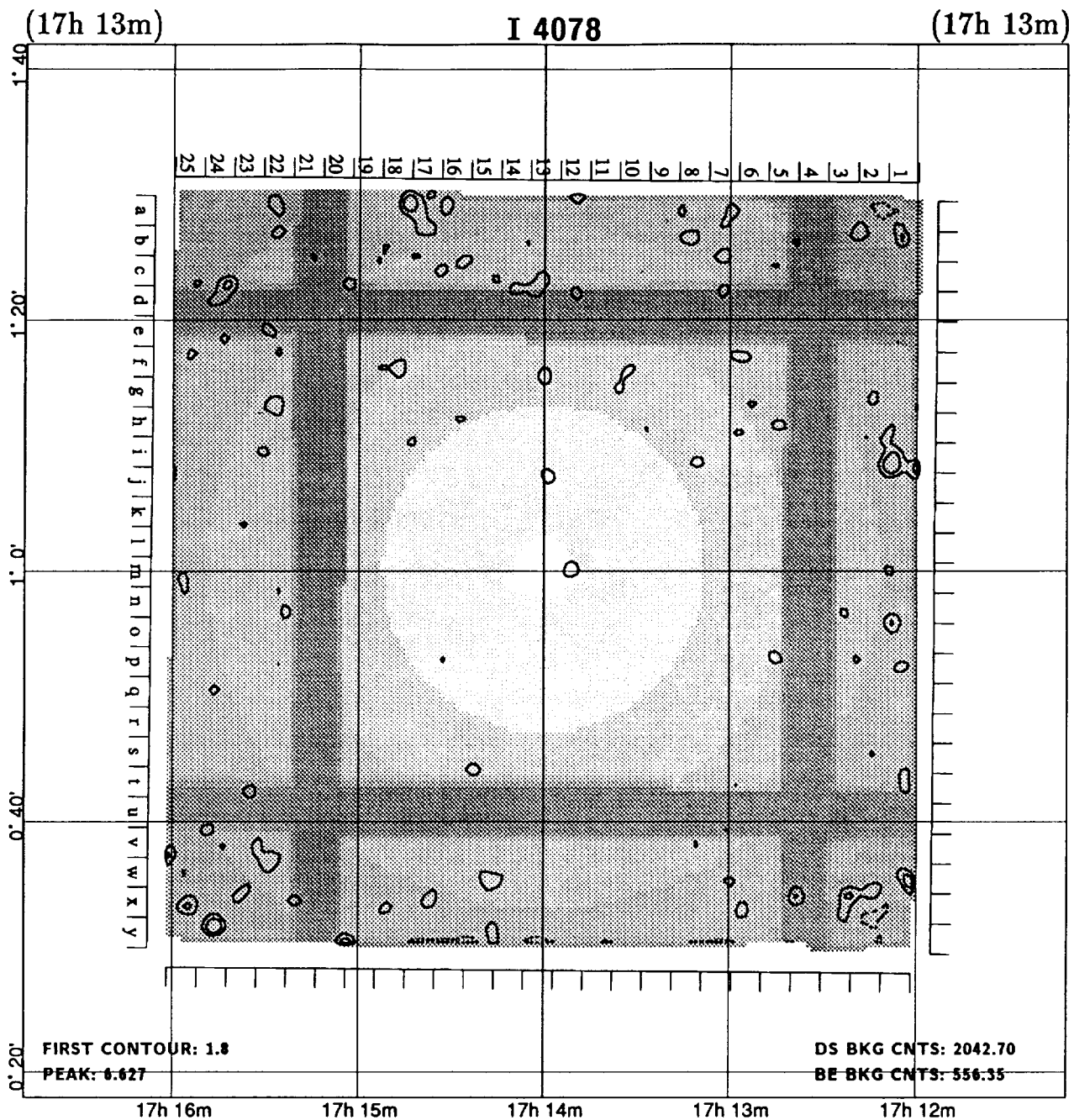


0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: 17^h13^m59.8^s 00°00'00'' (B1950)
17^h16^m33.6^s -00°03'14'' (J2000)
l: 21.55 *b*: 20.95

DATE: 1979/267 - 1979/267
LIVETIME: 1339.5s
ROLL ANGLE: 90.2°

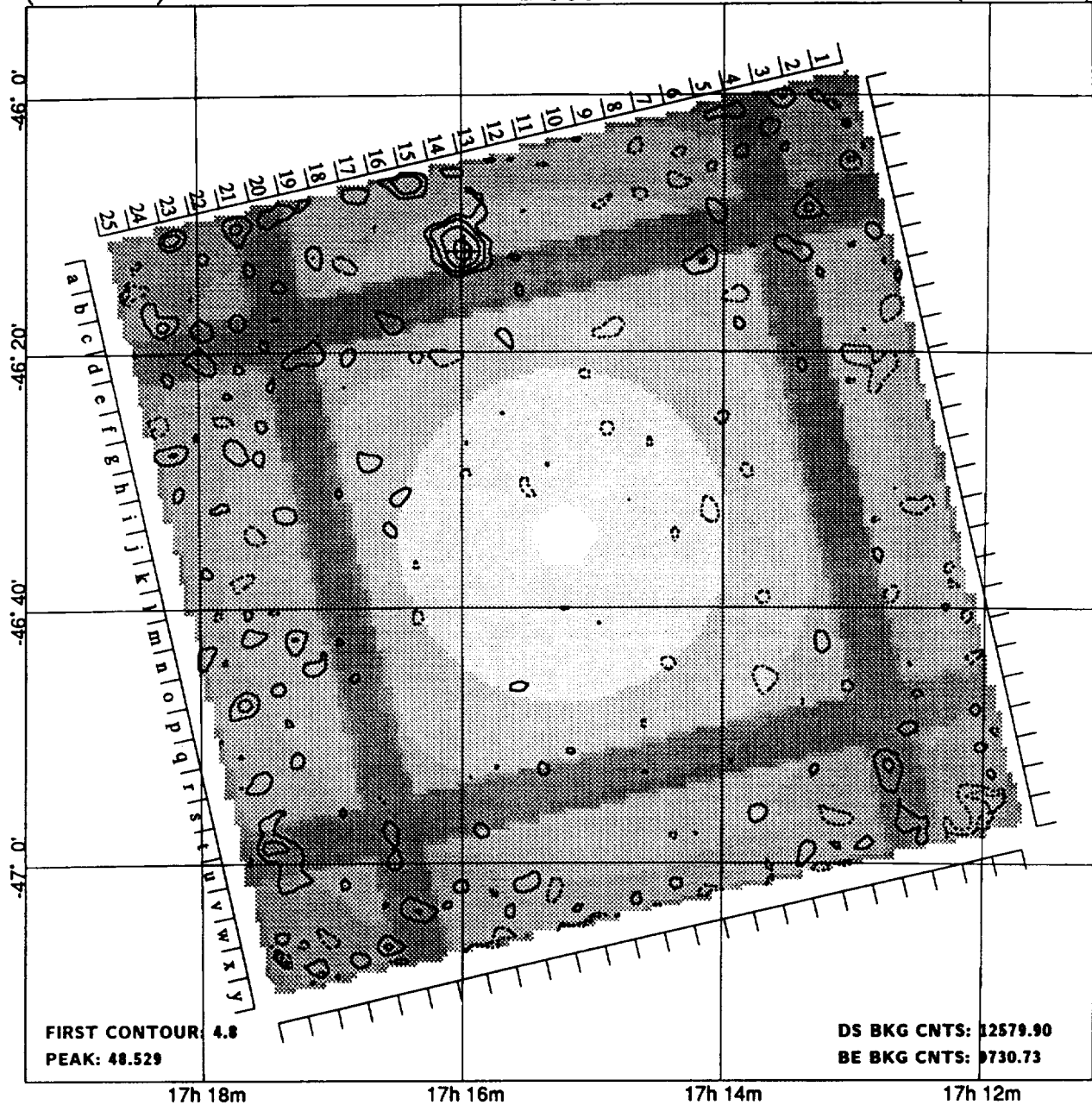
NH: 8.7E+20
REF/ID:
FIELD FLAGS:



(17h 15m)

I 5597

(17h 15m)

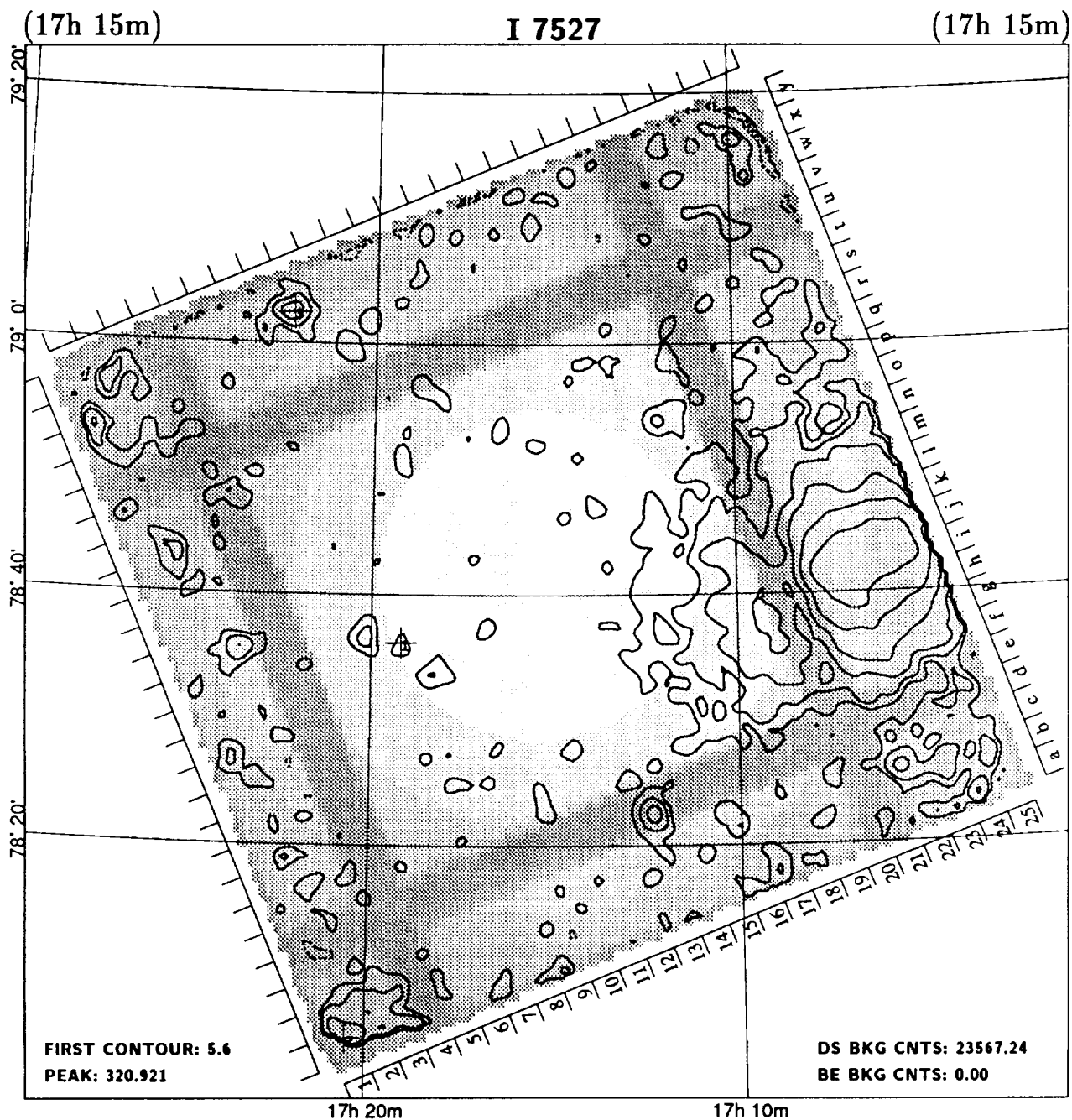


FIELD CENTER: 17^h15^m14.8^s -46°34'59" (B1950)
17^h18^m58.0^s -46°38'06" (J2000)
ℓ: 342.29 b: -5.25

DATE: 1980/277 - 1980/278
LIVETIME: 10193.9s
ROLL ANGLE: 77.1°

NH: 1.3E+21
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3874	1L	17 15 58.5	-46 12 14	48	*0.0225	0.0040	104.1	66.9	5.5	1.3	603	24.1	



A2256 OFFSET POINTING POSITIONS

FIELD CENTER: 17^h15^m14.8^s 78°41'59" (B1950)
17^h12^m21.9^s 78°38'38" (J2000)
 ℓ : 110.85 b : 31.36

DATE: 1980/ 46 - 1980/ 48
LIVETIME: 19097.2s
ROLL ANGLE: -112.1°

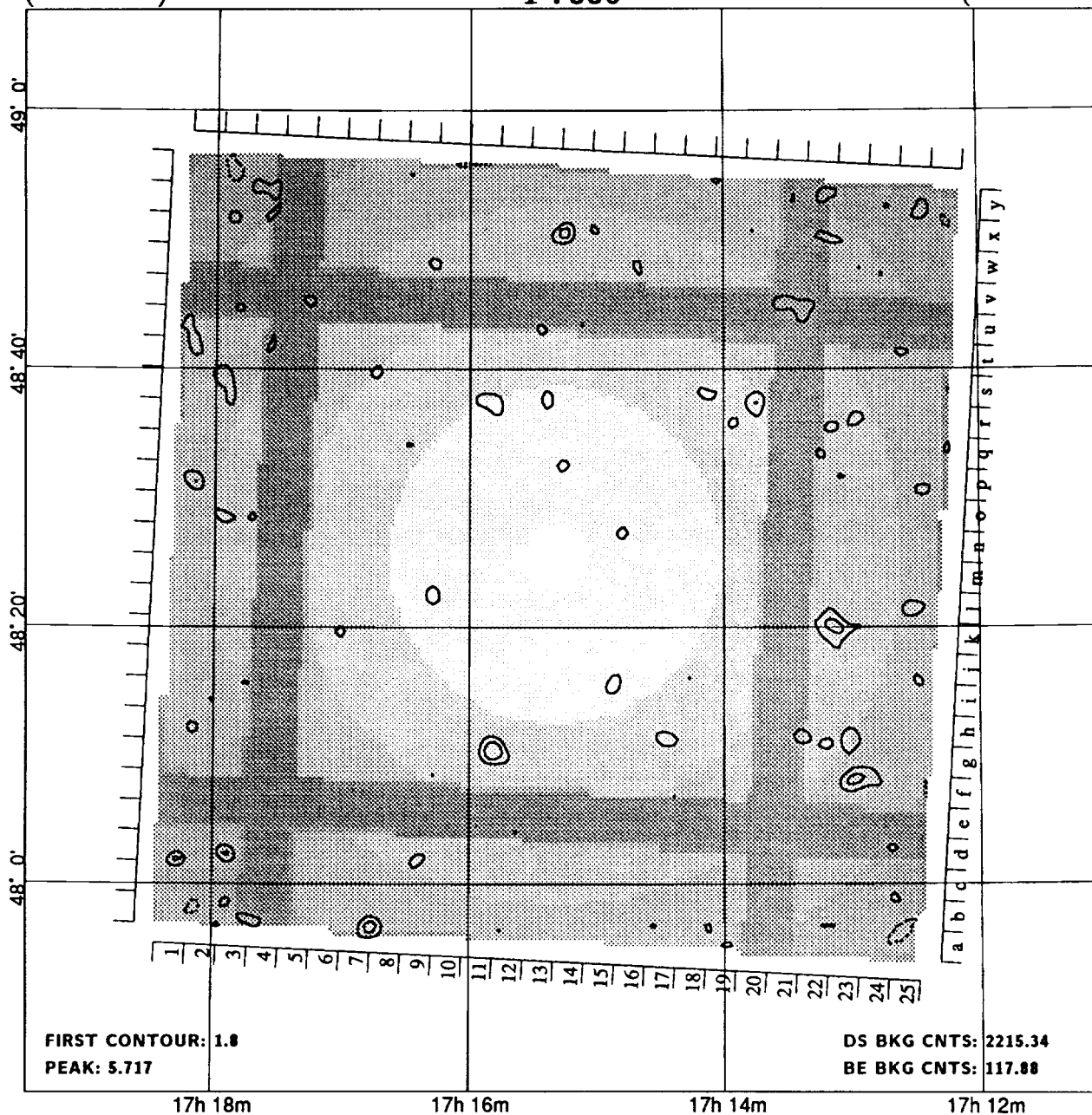
NH: 4.2E+20
REF/ID: CLG
FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3888	1L	17 19 11.2	78 36 08	71	0.00370	0.00095	44.8	42.2	3.8	0.3	0	13.0		
3894	2L	17 20 30.5	78 04 35	51	0.0153	0.0040	54.0	55.0	3.7	4.0	700	40.6	AE	CLG
3898	3L	17 22 20.3	79 02 25	51	0.0061	0.0017	42.9	49.1	3.5	1.3	0	29.2		

(17h 15m)

I 7886

(17h 15m)

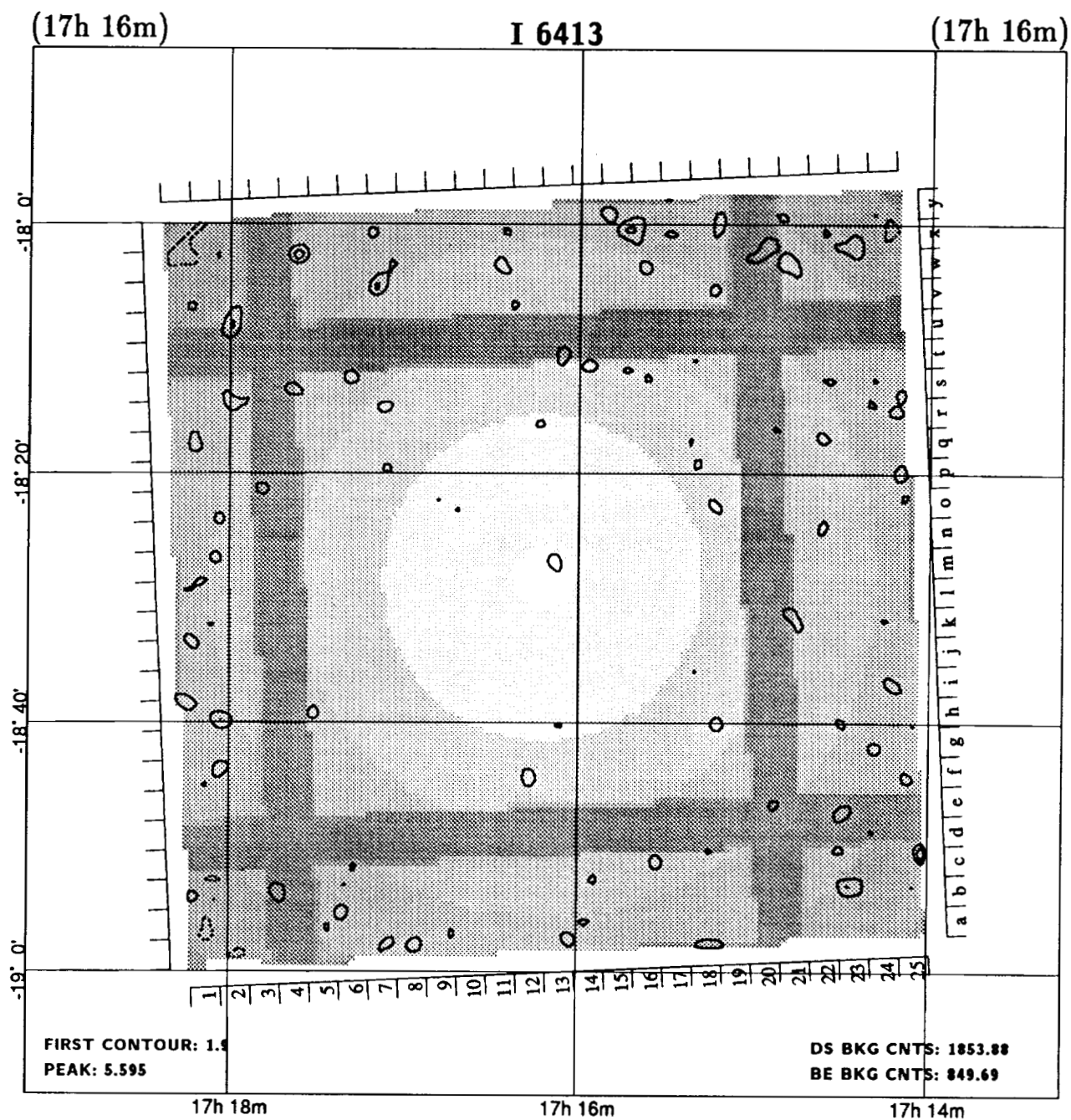


H 1703+49, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: $17^{\text{h}}15^{\text{m}}15.4^{\text{s}}$ $48^{\circ}25'58''$ (B1950)
 $17^{\text{h}}16^{\text{m}}35.3^{\text{s}}$ $48^{\circ}22'47''$ (J2000)
 ℓ : 74.72 b : 35.35

DATE: 1980/ 74 - 1980/ 74
 LIVETIME: 1859.6s
 ROLL ANGLE: -87.1°

NH: $2.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:



NGC 6333, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $17^h 16^m 11.8^s$ $-18^\circ 27' 59''$ (B1950)
 $17^h 19^m 07.5^s$ $-18^\circ 31' 03''$ (J2000)
 $l: 5.53$ $b: 10.72$

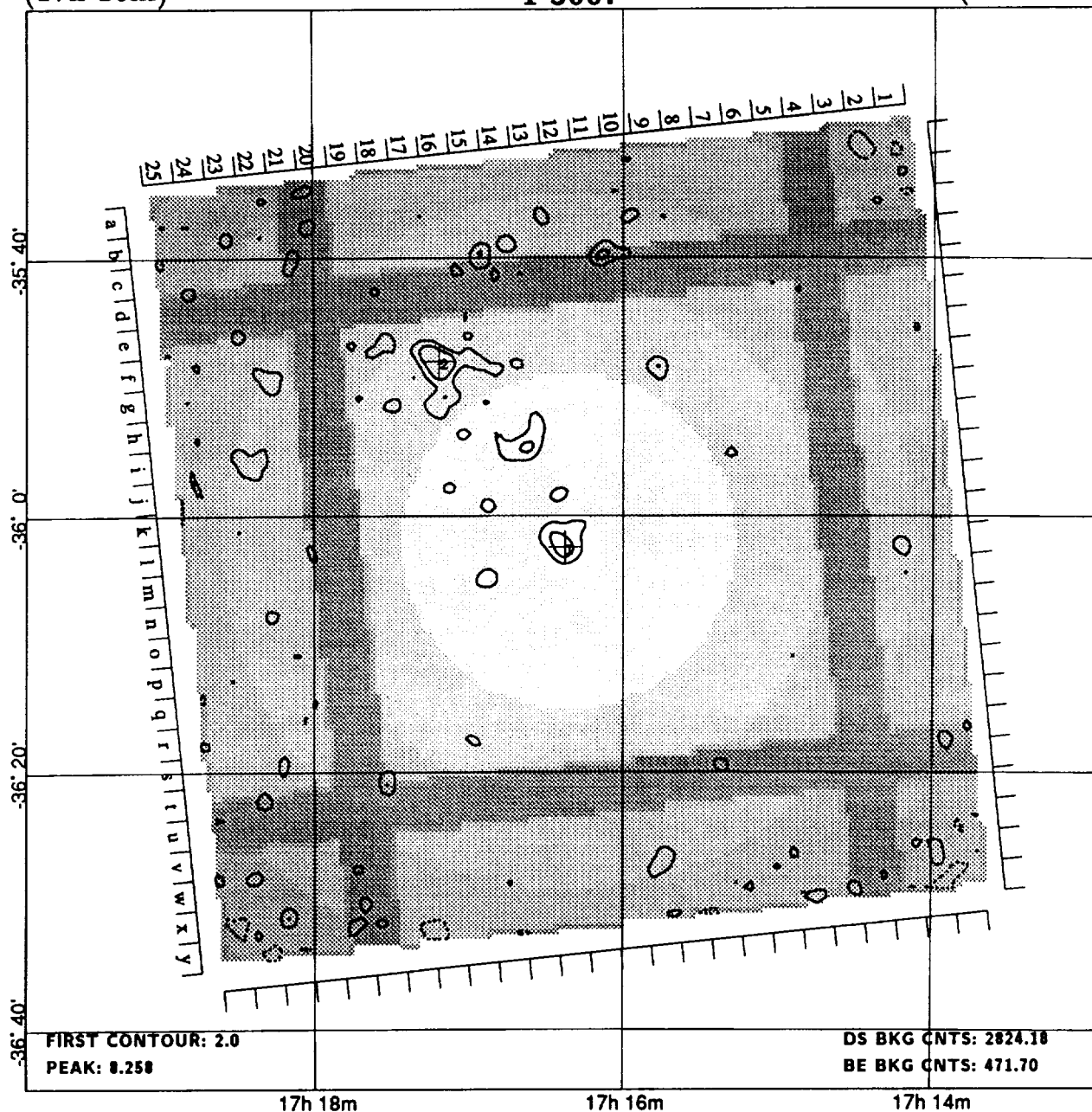
DATE: 1981/ 90 - 1981/ 90
 LIVETIME: 1502.3s
 ROLL ANGLE: -92.7°

NH: $1.8E+21$
 REF/ID:
 FIELD FLAGS: L

(17h 16m)

I 3007

(17h 16m)



FILAMENTARY NEBULAE: GUM 61

FIELD CENTER: $17^{\text{h}}16^{\text{m}}22.8^{\text{s}}$ $-36^{\circ}02'42''$ (B1950)
 $17^{\text{h}}19^{\text{m}}44.5^{\text{s}}$ $-36^{\circ}05'45''$ (J2000)
 $l: 351.03$ $b: 0.66$

DATE: 1979/263 - 1979/263
 LIVETIME: 2288.5s
 ROLL ANGLE: 84.2°

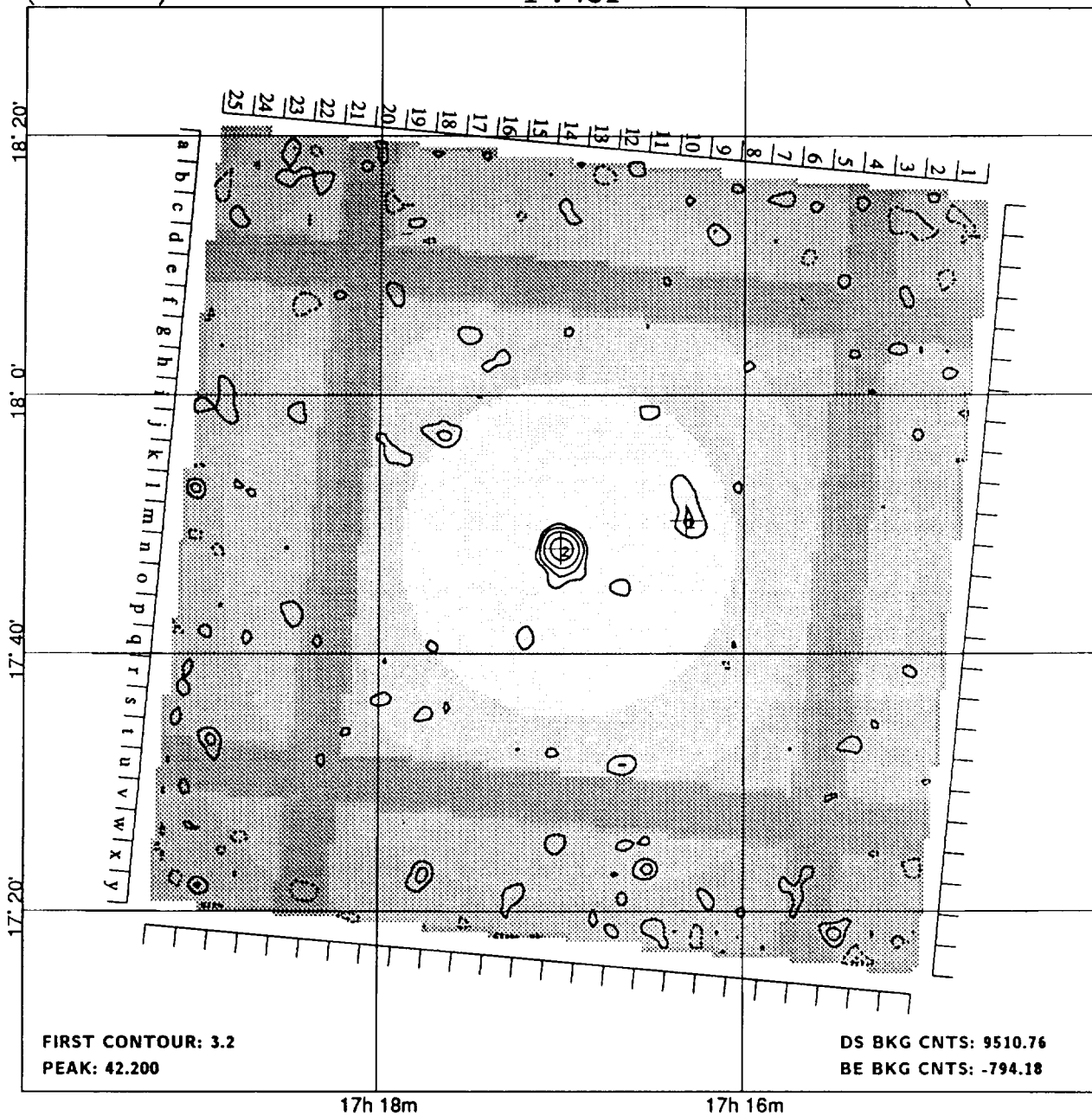
NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3877	1	17 16 22.7	-36 02 26	36	0.0154	0.0035	26.2	8.8	4.4	1.0	0	0.2	H
3881	2	17 17 11.4	-35 48 04	51	0.0206	0.0045	26.0	7.0	4.5	1.6	0	17.6	

(17h 17m)

I 7481

(17h 17m)



OT 129,PKS,EMISSION FROM HIGHLY POLARIZED BL LAC OBJECTS

FIELD CENTER: 17^h17^m00.0^s 17°47'58" (B1950)
 17^h19^m12.7^s 17°44'56" (J2000)
 l : 39.52 b : 28.10

DATE: 1980/268 - 1980/268
 LIVETIME: 7706.8s
 ROLL ANGLE: 95.2°

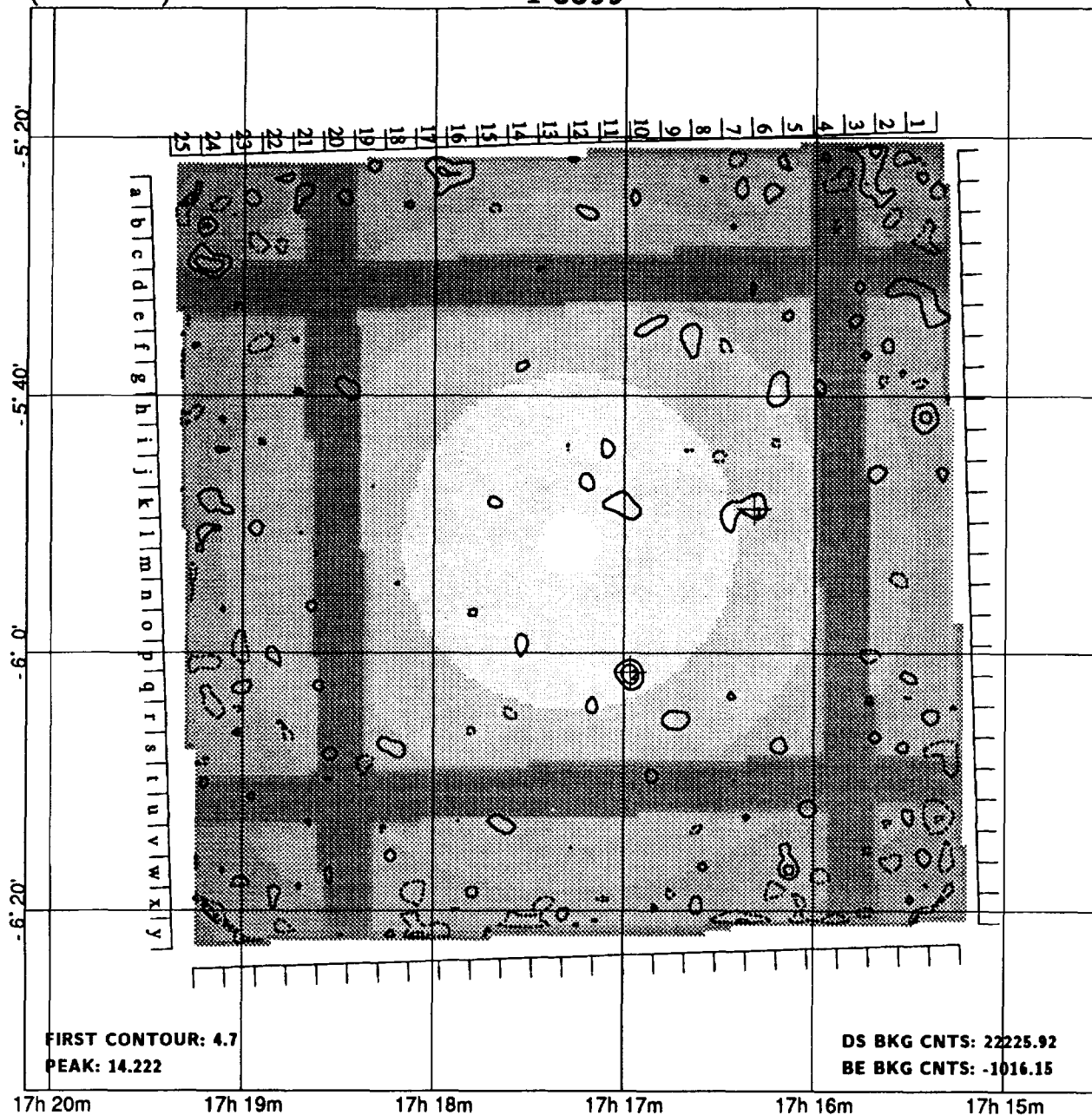
NH: 5.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3875	1	17 16 19.0	17 50 16	45	0.0049	0.0013	25.4	20.6	3.7	1.3	0	10.1	H	
3880	2	17 17 00.4	17 48 06	31	0.0311	0.0025	178.8	22.2	12.6	1.1	0	0.2	H	

(17h 17m)

I 5599

(17h 17m)

FIELD CENTER: 17^h17^m18.8^s -05°51'59" (B1950)

DATE: 1980/264 - 1980/264

NH: 1.4E+21

17^h19^m59.3^s -05°54'59" (J2000)

LIVETIME: 18010.2s

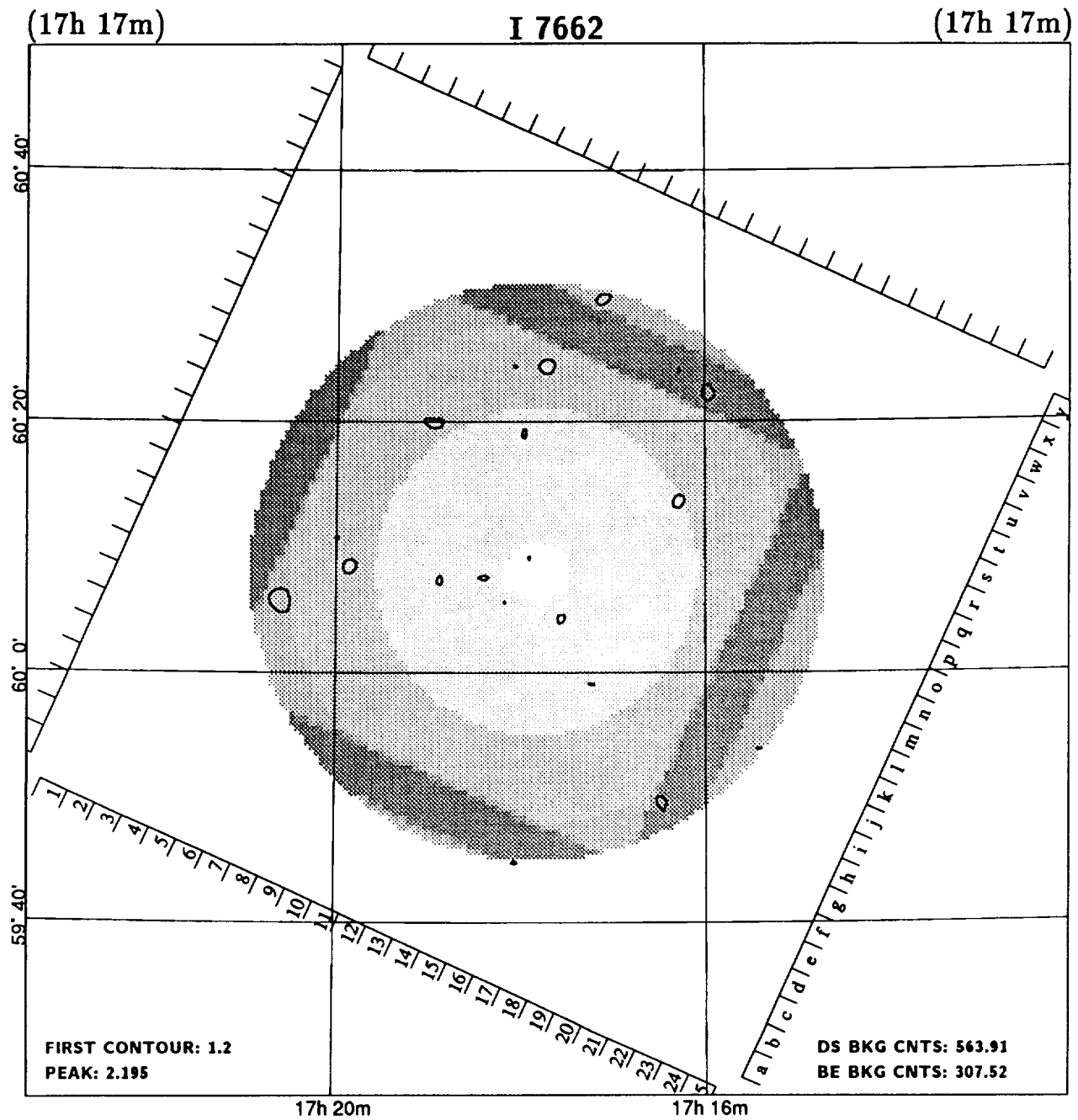
REF/ID:

ℓ: 16.64 b: 17.27

ROLL ANGLE: 88.1°

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3876	1	17 16 19.1	-05 48 41	44	0.00290	0.00080	31.3	43.7	3.6	1.1	0	14.0	
3879	2	17 16 57.9	-06 01 31	41	0.00387	0.00084	45.5	51.5	4.6	0.6	0	10.8	

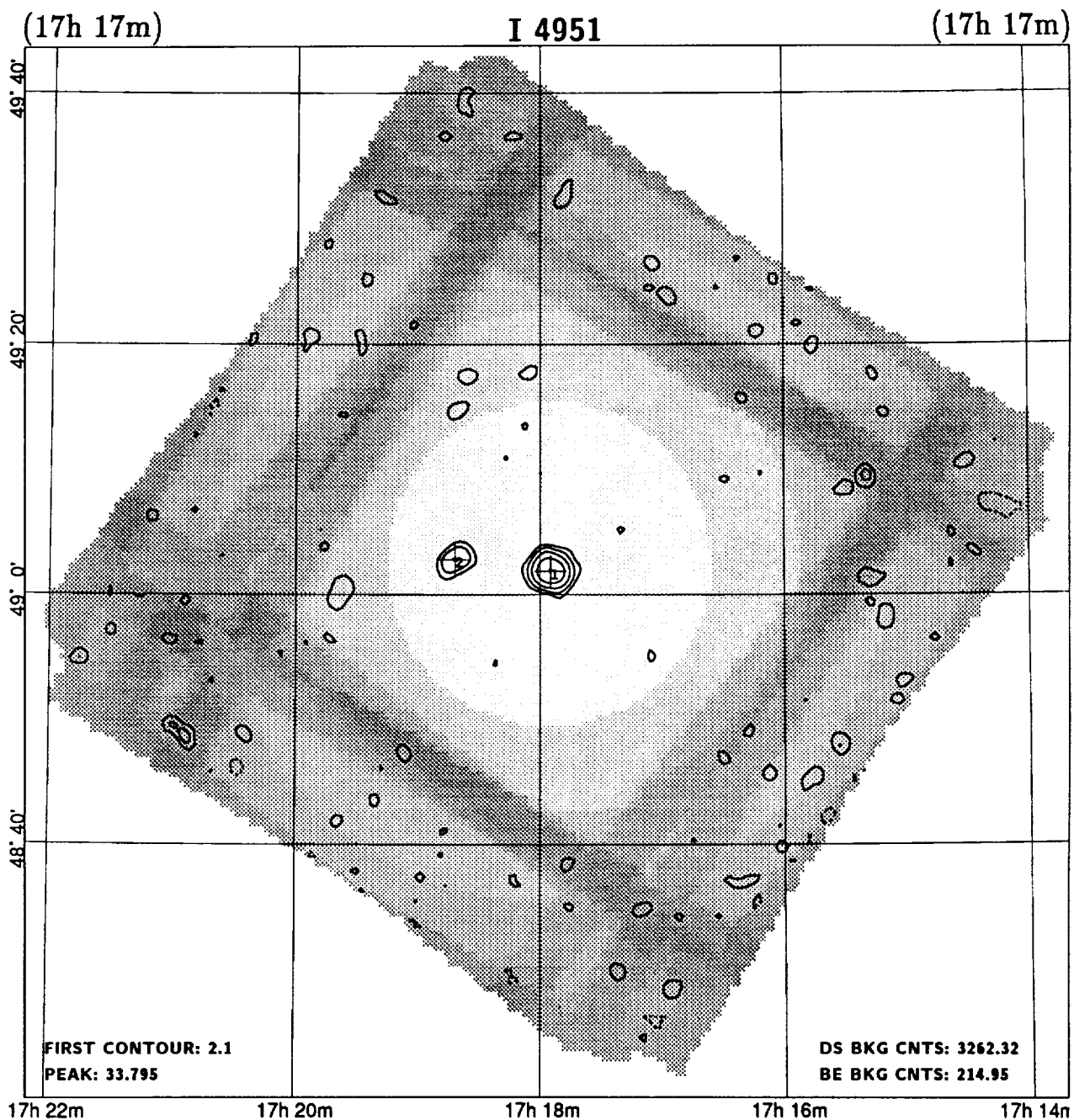


H1725+59, POSITION 3

FIELD CENTER: $17^h 17^m 42.9^s$ $60^\circ 08' 11''$ (B1950)
 $17^h 18^m 22.3^s$ $60^\circ 05' 09''$ (J2000)
 $l: 89.02$ $b: 34.79$

DATE: 1980/ 99 - 1980/ 99
 LIVETIME: 473.4s
 ROLL ANGLE: -65.5°

NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:



ARP102, INTERACTING GALAXIES WITH COMPACT RADIO NUCLEI

FIELD CENTER: 17^h17^m56.2^s 49°01'48" (B1950)
17^h19^m14.3^s 48°58'48" (J2000)
 ℓ : 75.48 b : 34.94

DATE: 1979/290 - 1980/201
LIVETIME: 2643.5s

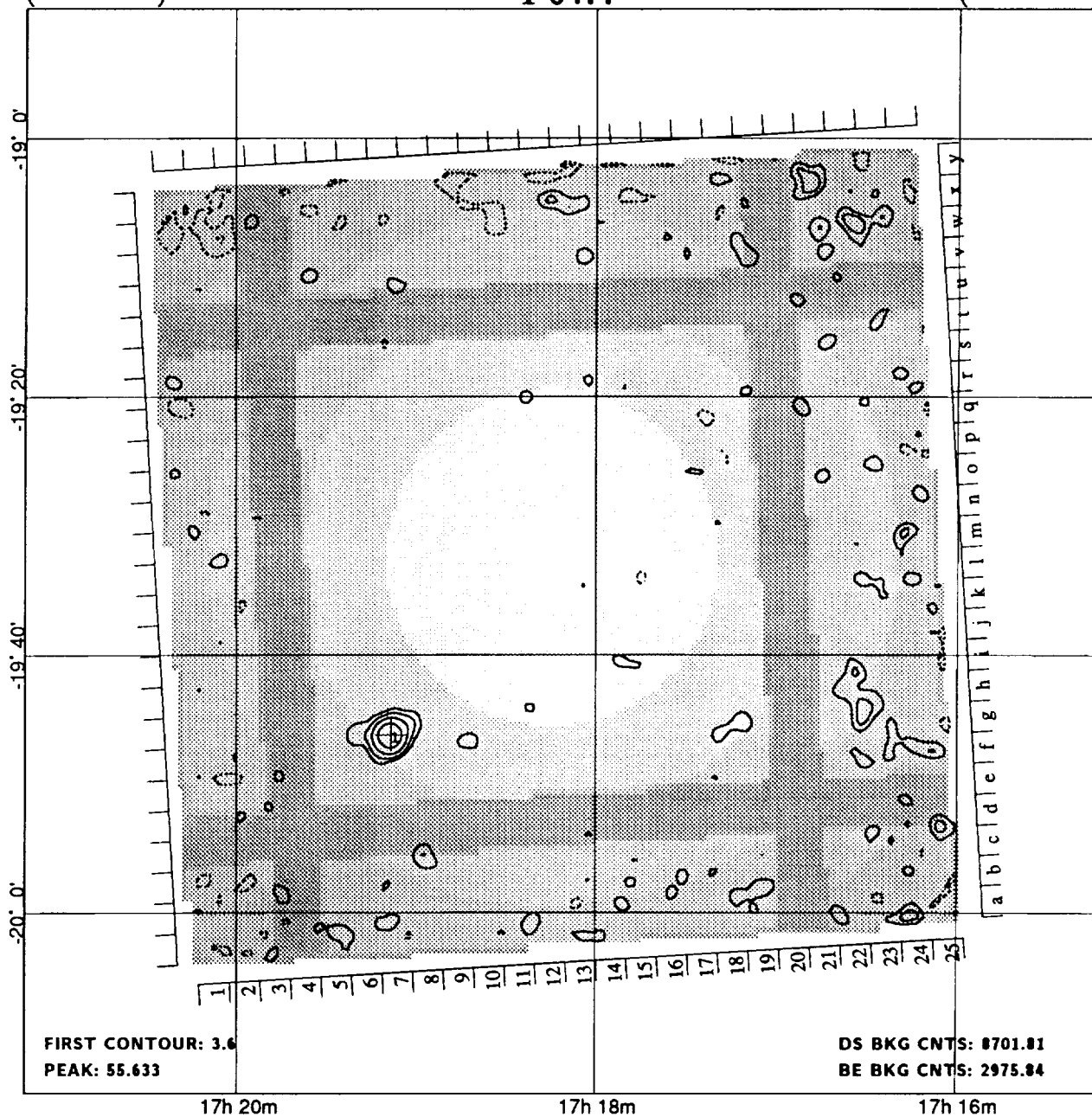
NH: 2.4E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3883	1	17 17 55.0	49 01 51	31	0.0712	0.0062	140.5	8.5	11.5	1.0	0	0.2	H	AGN
3886	2	17 18 42.0	49 02 46	42	0.0172	0.0035	31.5	8.5	5.0	0.8	0	7.7		

(17h 18m)

I 6477

(17h 18m)



NGC 6342, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $17^{\text{h}}18^{\text{m}}11.8^{\text{s}}$ $-19^{\circ}31'59''$ (B1950)
 $17^{\text{h}}21^{\text{m}}09.0^{\text{s}}$ $-19^{\circ}34'55''$ (J2000)
 $l: 4.90$ $b: 9.73$

DATE: 1981/ 82 - 1981/ 82
 LIVETIME: 7051.3s
 ROLL ANGLE: -93.4°

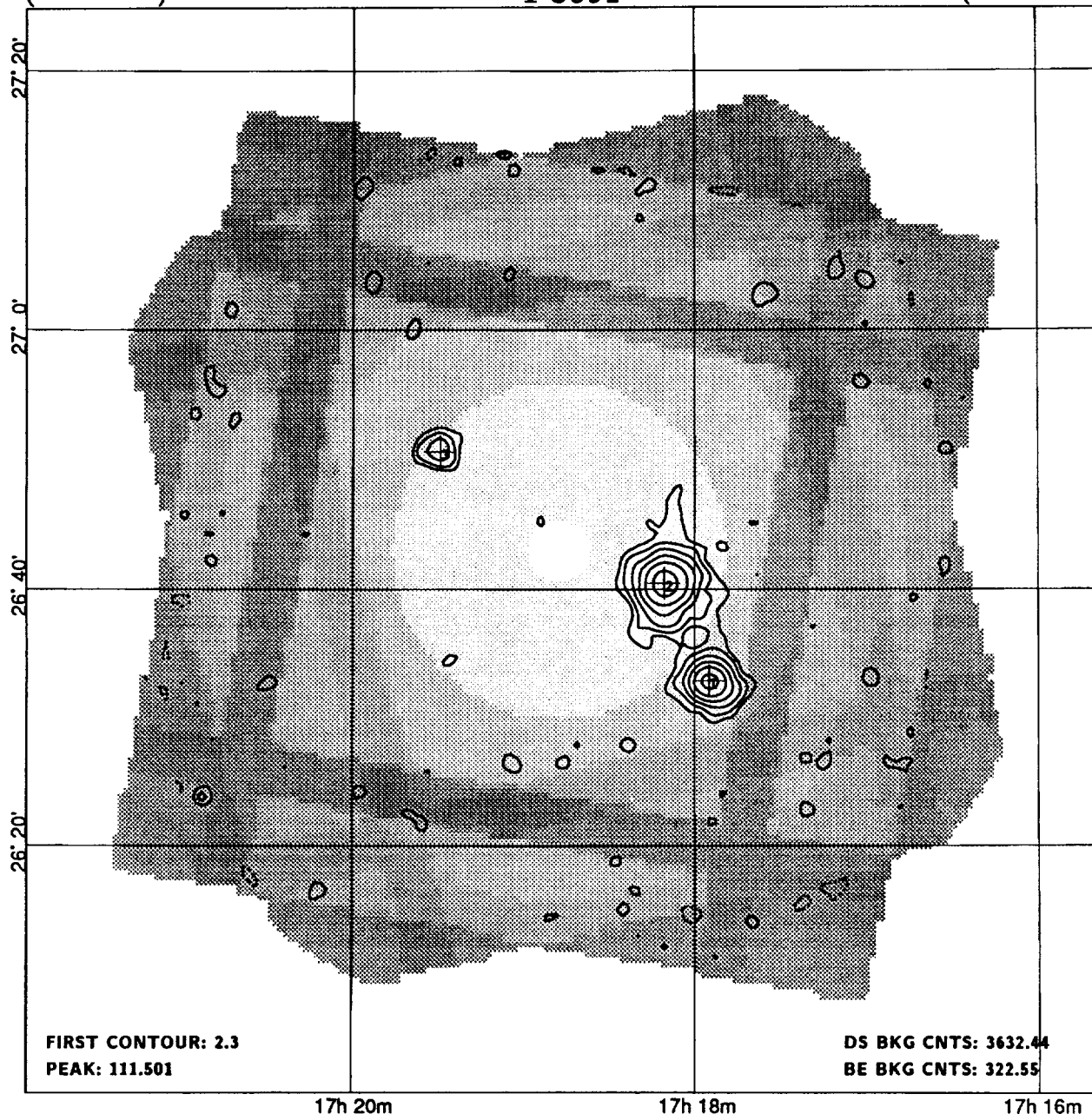
NH: $1.9\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3887	1L	17 19 08.4	-19 46 10	48	0.0342	0.0040	128.1	34.9	8.5	1.1	0	19.4		*

(17h 18m)

I 3091

(17h 18m)



RADIO SOURCES WITH STEEP SPECTRA: 1718+26

FIELD CENTER: $17^{\text{h}}18^{\text{m}}45.7^{\text{s}}$ $26^{\circ}42'57''$ (B1950)
 $17^{\text{h}}20^{\text{m}}46.4^{\text{s}}$ $26^{\circ}40'02''$ (J2000)
 $l: 49.31$ $b: 30.74$

DATE: 1979/ 86 - 1979/241
 LIVETIME: 2943.5s

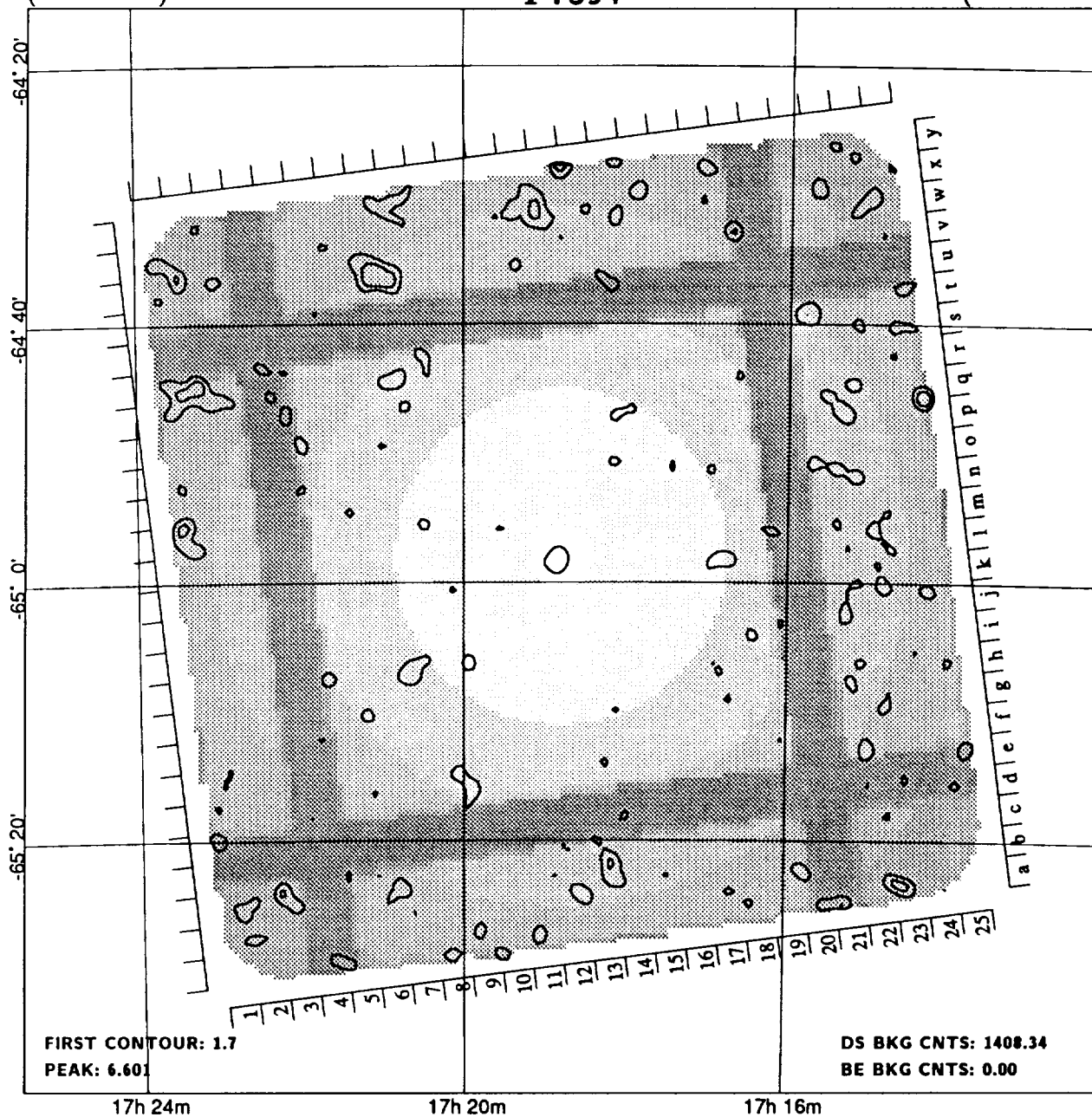
NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3884	1	17 17 55.0	26 32 49	47	0.1641	0.0099	282.4	8.6	16.6	3.7	0	15.1	H	S
3885	2	17 18 10.7	26 40 27	37	0.237	0.011	474.9	9.1	21.6	2.6	0	8.2	H	CLG
3891	3	17 19 29.3	26 50 38	41	0.0249	0.0039	46.9	8.1	6.3	1.0	0	12.5	H	*

(17h 18m)

I 7594

(17h 18m)



FIELD CENTER: $17^{\text{h}}18^{\text{m}}46.8^{\text{s}}$ $-64^{\circ}57'39''$ (B1950)
 $17^{\text{h}}23^{\text{m}}41.7^{\text{s}}$ $-65^{\circ}00'28''$ (J2000)
 $l: 326.97$ $b: -15.83$

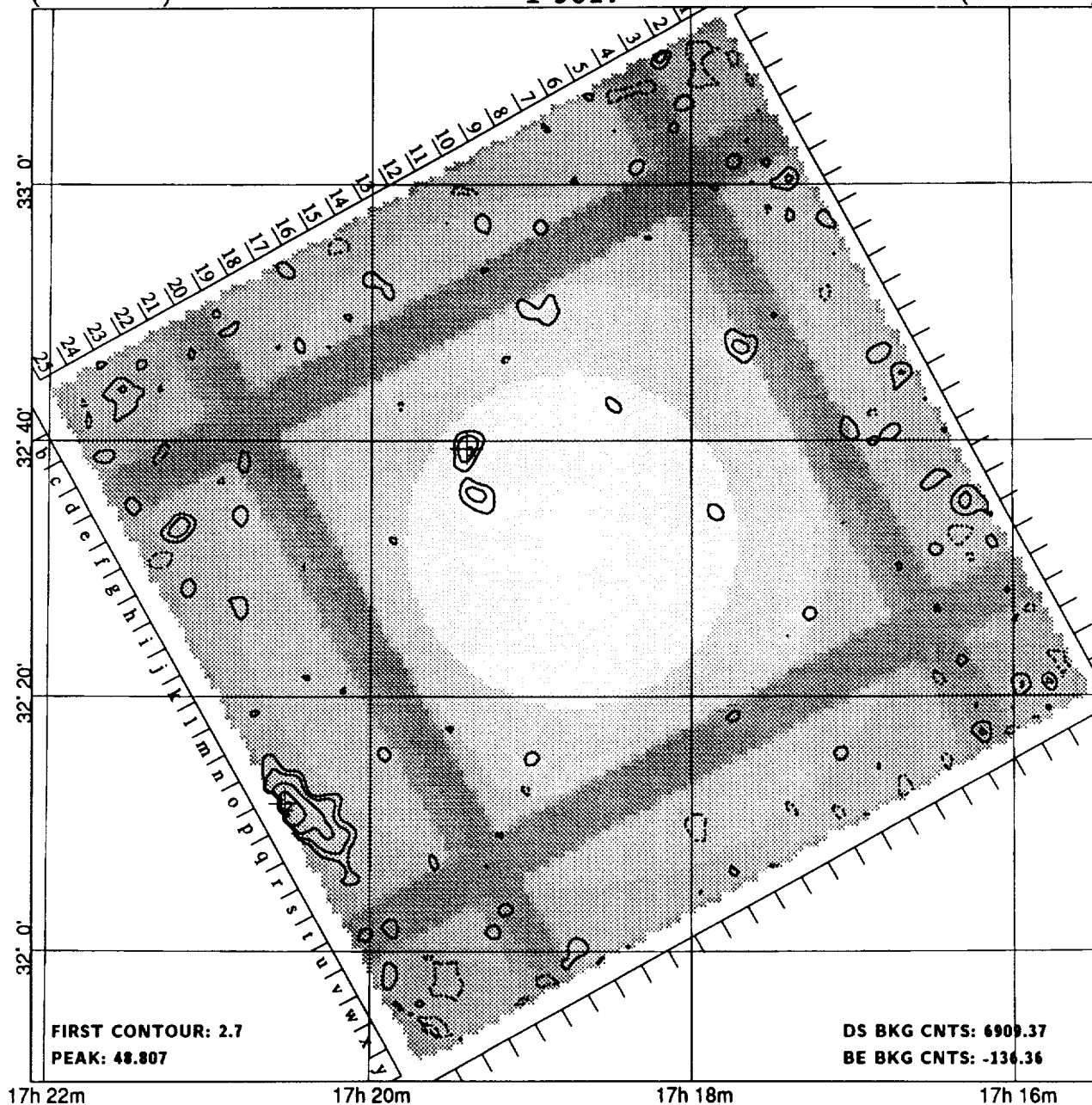
DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 1141.2s
 ROLL ANGLE: -97.3°

NH: $7.1\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(17h 18m)

I 9017

(17h 18m)



CORONAE OF METAL DEFICIENT STARS: 72 HER

FIELD CENTER: $17^{\text{h}}18^{\text{m}}47.0^{\text{s}}$ $32^{\circ}31'50''$ (B1950)
 $17^{\text{h}}20^{\text{m}}38.9^{\text{s}}$ $32^{\circ}28'55''$ (J2000)
 $l: 55.88$ $b: 32.31$

DATE: 1980/224 - 1980/224
 LIVETIME: 5598.9s
 ROLL ANGLE: 61.1°

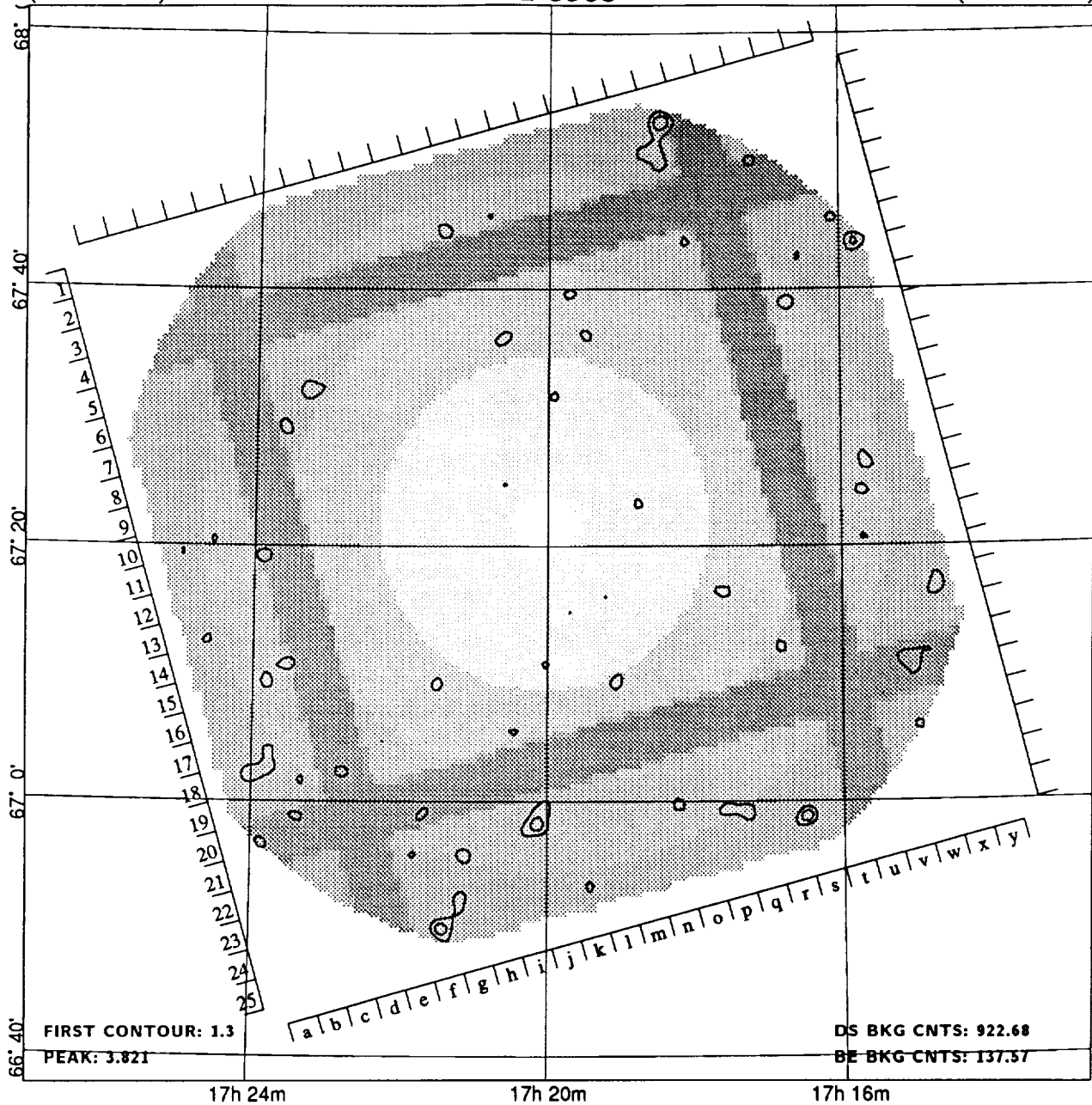
NH: $3.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3890	1	17 19 24.3	32 39 23	42	0.0084	0.0019	30.8	15.2	4.5	0.8	0	11.1		
3892	2	17 20 31.7	32 11 35	48	*0.0651	0.0076	79.6	7.4	8.5	2.5	705	30.2	EH	

(17h 19m)

I 8903

(17h 19m)

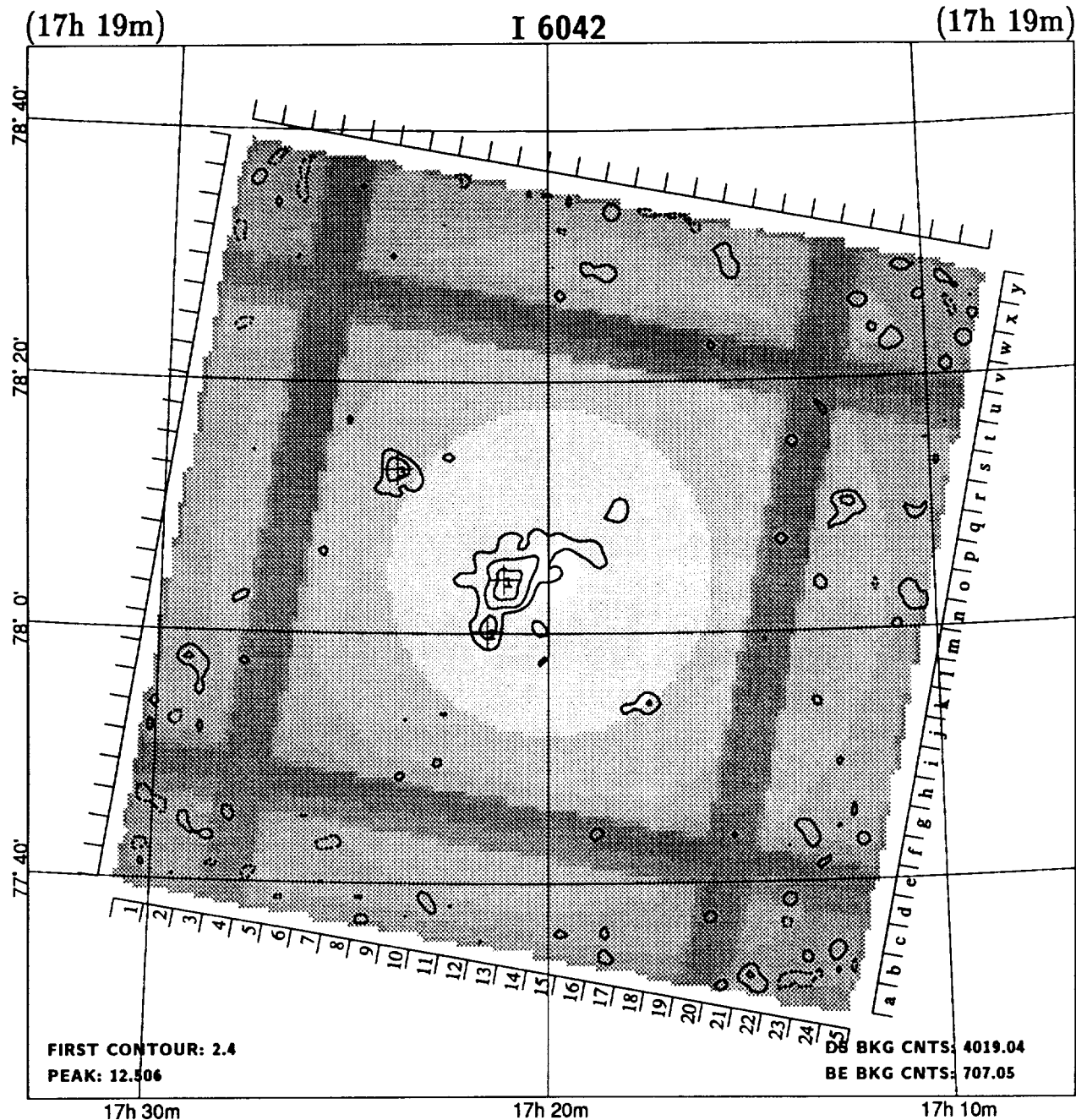


GSFC NEP SURVEY - FIELD # 170 0 -7

FIELD CENTER: $17^h 19^m 52.0^s$ $67^\circ 20' 10''$ (B1950)
 $17^h 19^m 48.4^s$ $67^\circ 17' 15''$ (J2000)
 $l: 97.63$ $b: 33.67$

DATE: 1980/150 - 1980/150
 LIVETIME: 747.7s
 ROLL ANGLE: -15.4°

NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS:



A2271, RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: $17^{\text{h}}19^{\text{m}}53.9^{\text{s}}$ $78^{\circ}04'59''$ (B1950)
 $17^{\text{h}}17^{\text{m}}17.0^{\text{s}}$ $78^{\circ}01'59''$ (J2000)
 $l: 110.08$ $b: 31.32$

DATE: 1980/ 80 - 1980/ 81
 LIVETIME: 3373.7s
 ROLL ANGLE: -79.8°

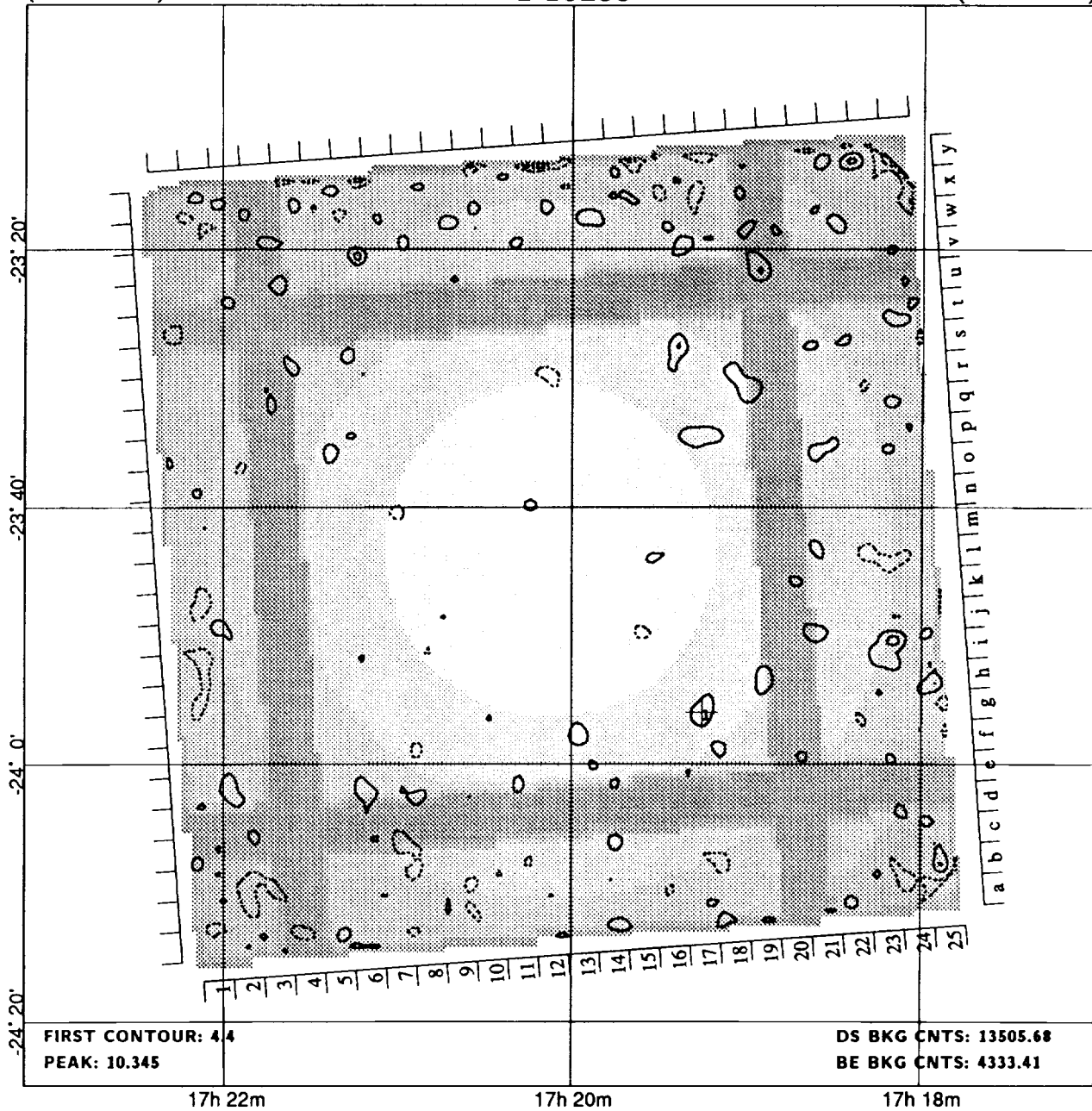
NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3894	1	17 21 09.2	78 04 16	35	0.0252	0.0035	61.5	13.5	7.1	3.1	0	4.2	AH	CLG
3897	2	17 21 34.6	78 00 10	43	0.0109	0.0026	25.7	12.3	4.2	6.9	0	7.0	H	
3901	3	17 23 57.4	78 13 04	42	0.0122	0.0029	24.4	9.6	4.2	1.1	0	15.0		

(17h 20m)

I 10253

(17h 20m)



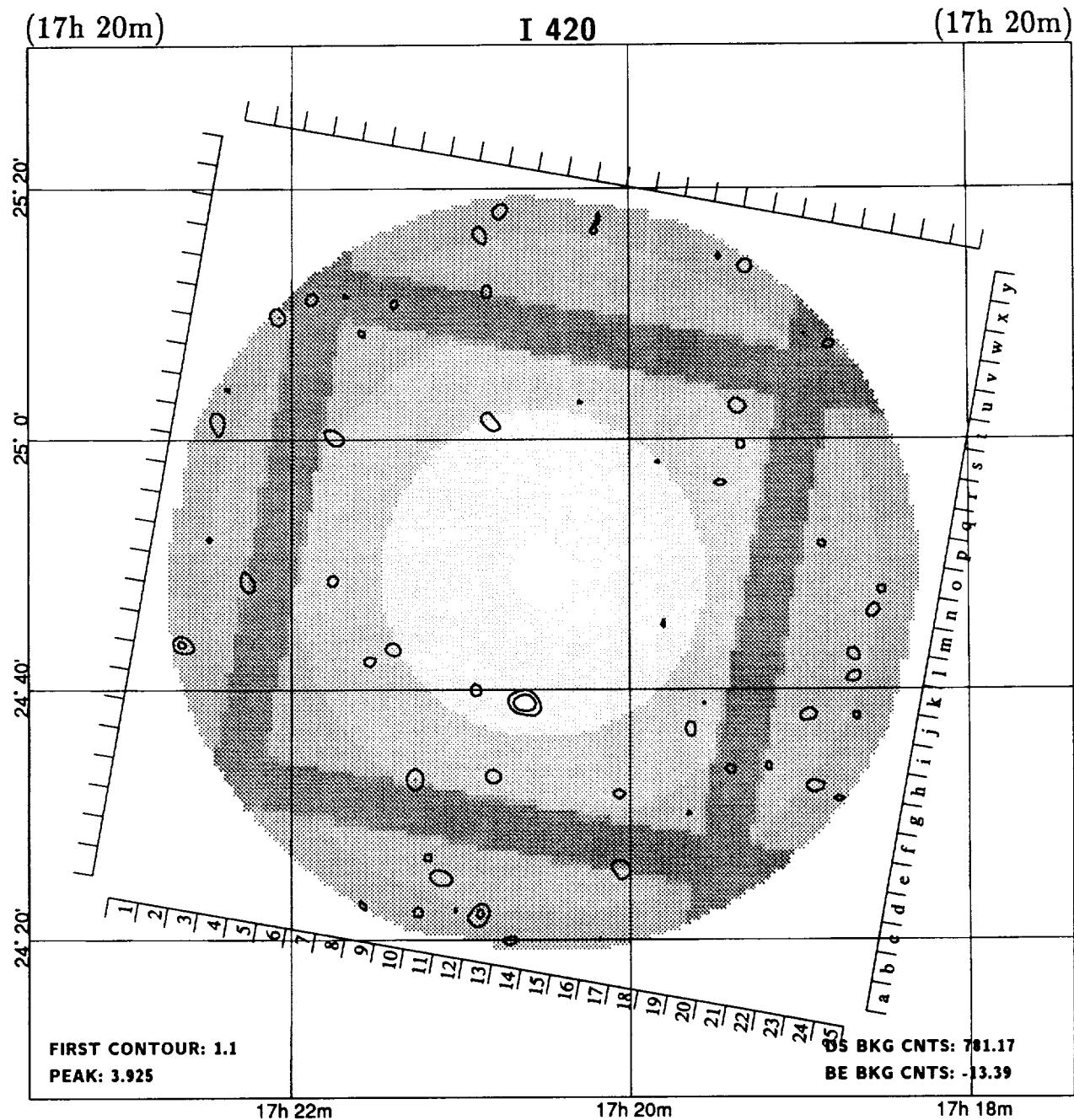
B68 & B72: NEARBY DARK CLOUDS & GLOBULES

FIELD CENTER: $17^h 20^m 04.5^s$ $-23^\circ 43' 04''$ (B1950)
 $17^h 23^m 07.3^s$ $-23^\circ 45' 51''$ (J2000)
 $l: 1.64$ $b: 7.03$

DATE: 1981/ 84 - 1981/ 84
 LIVETIME: 10944.1s
 ROLL ANGLE: -94.2°

NH: $2.5E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3889	1L	17 19 15.1	-23 56 00	59	0.0057	0.0016	34.4	25.6	3.6	0.5	0	17.2	



V 395 HER ABNORMAL GALAXIES SURVEY

FIELD CENTER: $17^{\text{h}}20^{\text{m}}27.7^{\text{s}}$ $24^{\circ}49'33''$ (B1950)
 $17^{\text{h}}22^{\text{m}}31.0^{\text{s}}$ $24^{\circ}46'45''$ (J2000)
 $l: 47.37$ $b: 29.79$

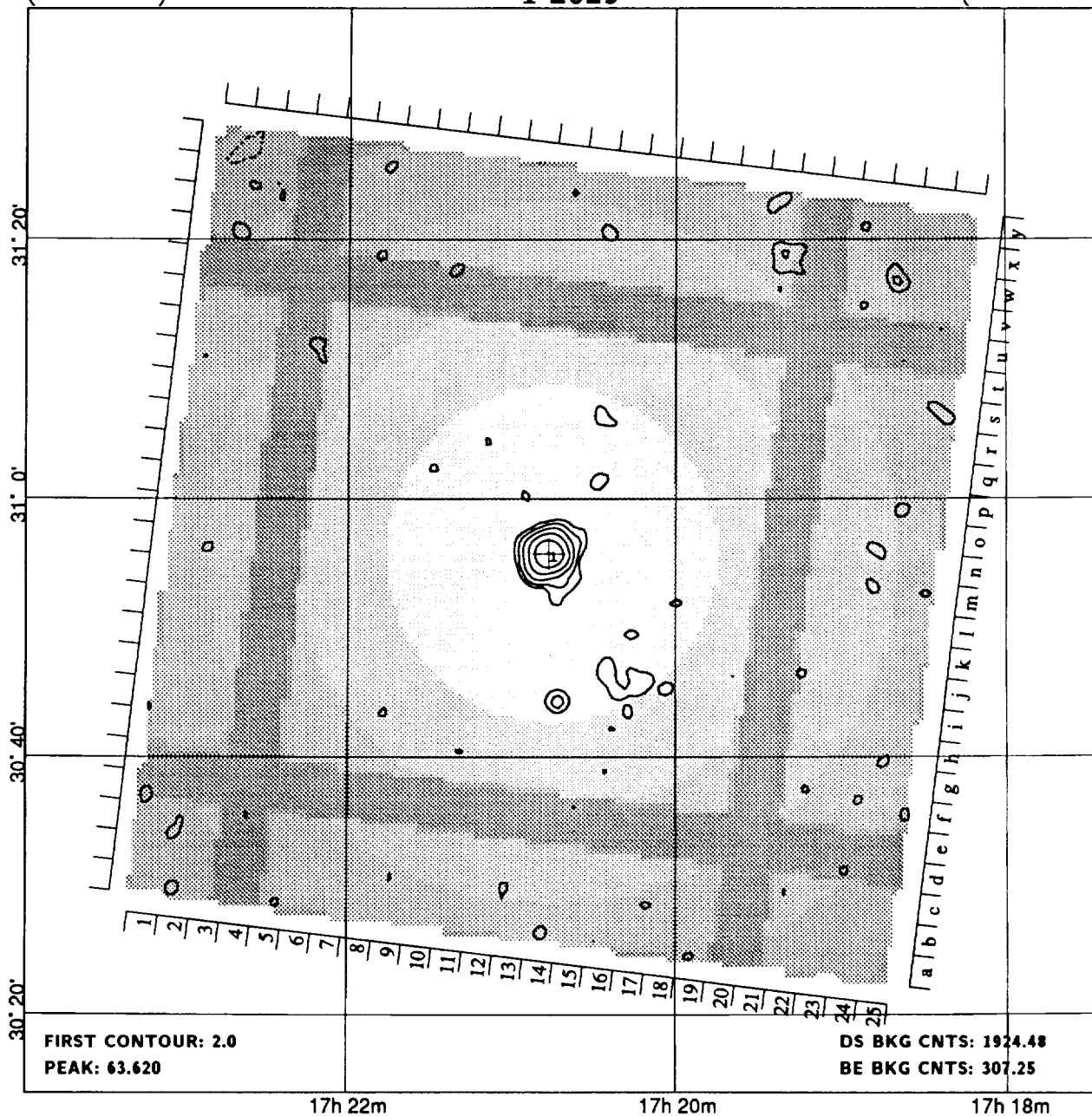
DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 633.0s
 ROLL ANGLE: -79.9°

NH: $5.0\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

(17h 20m)

I 2629

(17h 20m)



FIELD CENTER: $17^{\text{h}}20^{\text{m}}41.8^{\text{s}}$ $30^{\circ}55'59''$ (B1950)
 $17^{\text{h}}22^{\text{m}}36.1^{\text{s}}$ $30^{\circ}53'12''$ (J2000)
 ℓ : 54.18 b : 31.52

DATE: 1979/ 85 - 1979/ 85
 LIVETIME: 1559.5s
 ROLL ANGLE: -83.2°

NH: $3.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3893	1	17 20 46.3	30 55 42	31	0.234	0.014	272.6	5.4	16.3	1.3	0	0.9	H	SY

(17h 21m)



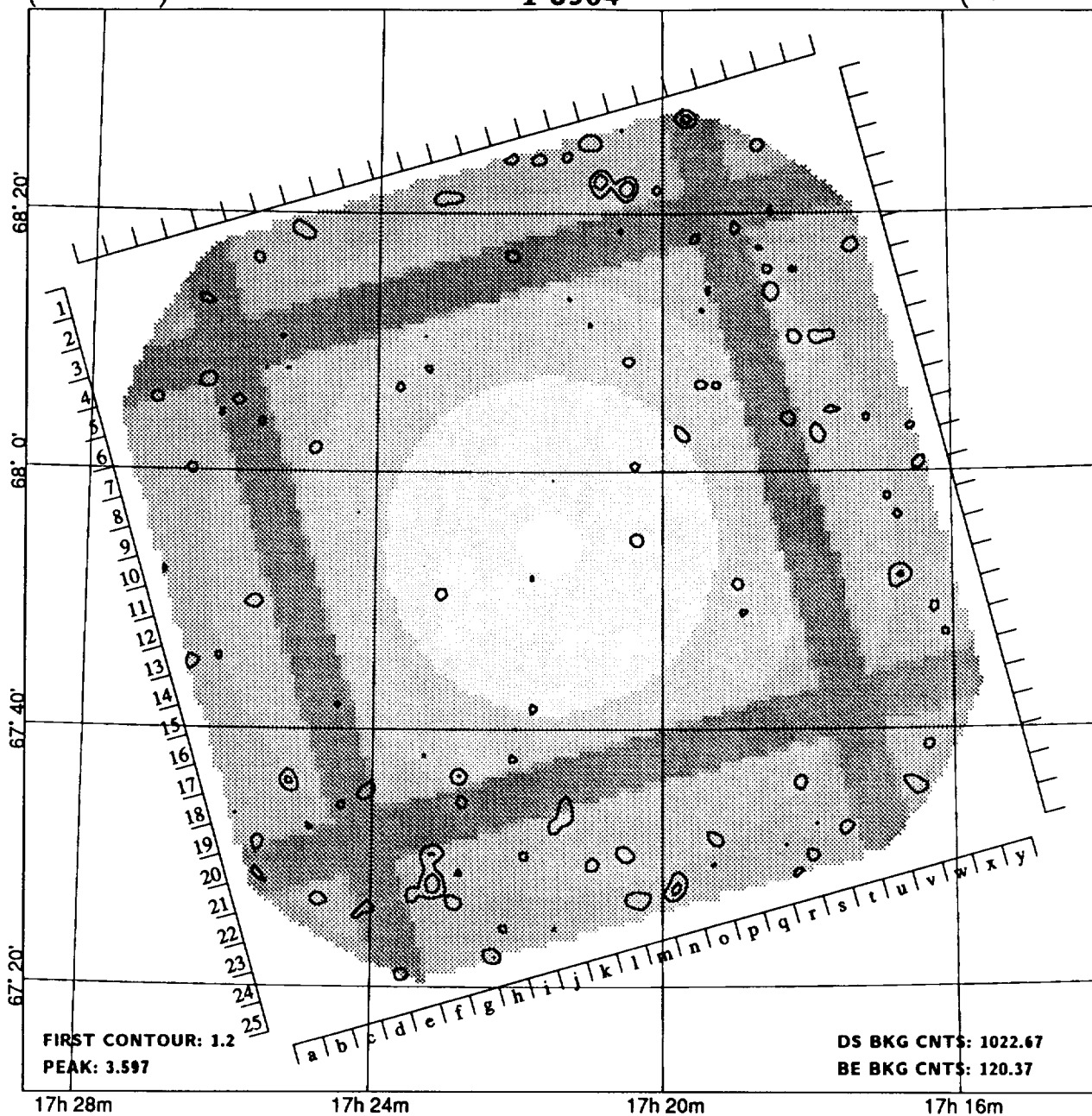
NH: 1.1E+21
REF/ID:
FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3895	1	17 21 12.0	-56 19 48	32	0.0208	0.0024	95.0	26.0	8.6	1.0	0	0.6	H	
3905	2	17 24 33.4	-56 08 21	52	0.0169	0.0034	35.8	15.2	5.0	1.2	0	30.7	H	

(17h 21m)

I 8904

(17h 21m)



GSFC NEP SURVEY - FIELD # 171 1 -7

FIELD CENTER: $17^{\text{h}}21^{\text{m}}25.4^{\text{s}}$ $67^{\circ}53'53''$ (B1950)
 $17^{\text{h}}21^{\text{m}}17.2^{\text{s}}$ $67^{\circ}51'05''$ (J2000)
 $l: 98.27$ $b: 33.43$

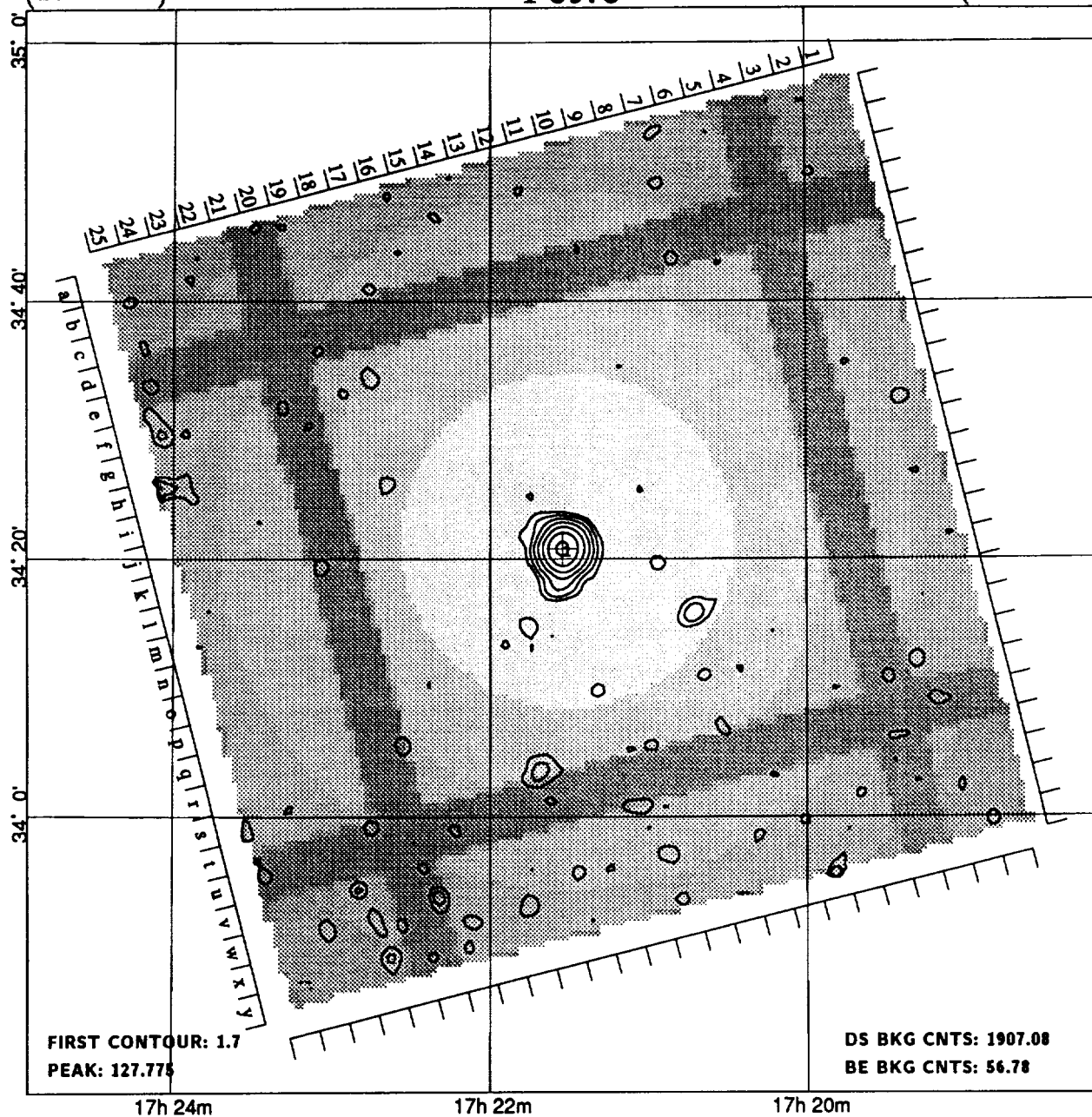
DATE: 1980/146 - 1980/146
 LIVETIME: 828.7s
 ROLL ANGLE: -15.8°

NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 21m)

I 3975

(17h 21m)



1721+343, BRIGHT NEARBY QUASAR

FIELD CENTER: $17^h 21^m 31.8^s$ $34^\circ 20' 41''$ (B1950)
 $17^h 23^m 20.6^s$ $34^\circ 17' 58''$ (J2000)
 $l: 58.13$ $b: 32.19$

DATE: 1979/238 - 1979/238
 LIVETIME: 1545.4s
 ROLL ANGLE: 75.8°

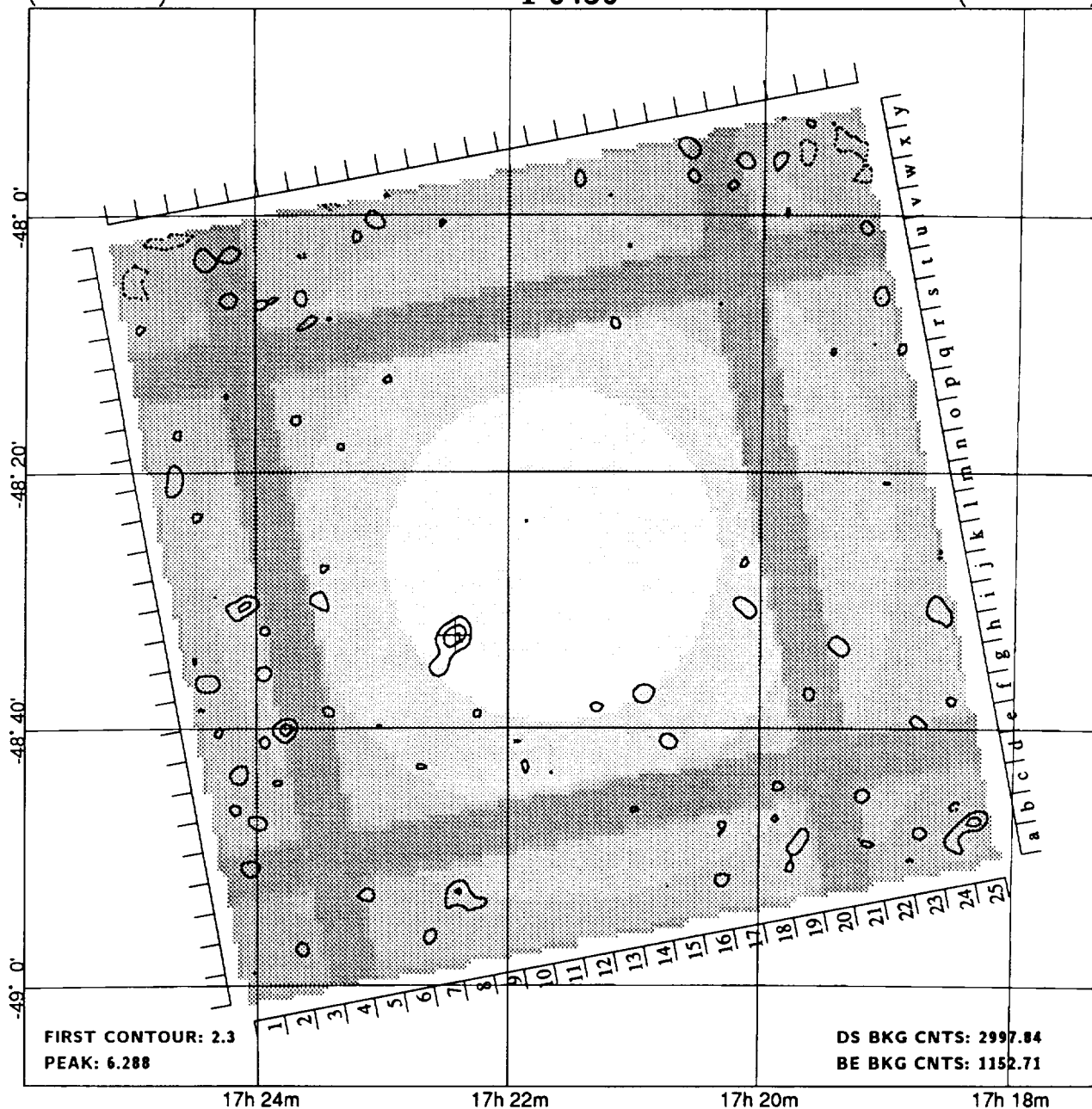
NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3896	1	17 21 32.5	34 20 47	31	0.450	0.020	517.1	4.9	22.6	1.3	0	0.2	H	Q

(17h 21m)

I 6456

(17h 21m)



NGC 6352, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $17^{\text{h}}21^{\text{m}}35.8^{\text{s}}$ $-48^{\circ}25'59''$ (B1950)
 $17^{\text{h}}25^{\text{m}}24.1^{\text{s}}$ $-48^{\circ}28'38''$ (J2000)
 $l: 341.37$ $b: -7.18$

DATE: 1980/ 73 - 1980/ 73
 LIVETIME: 2516.5s
 ROLL ANGLE: -100.7°

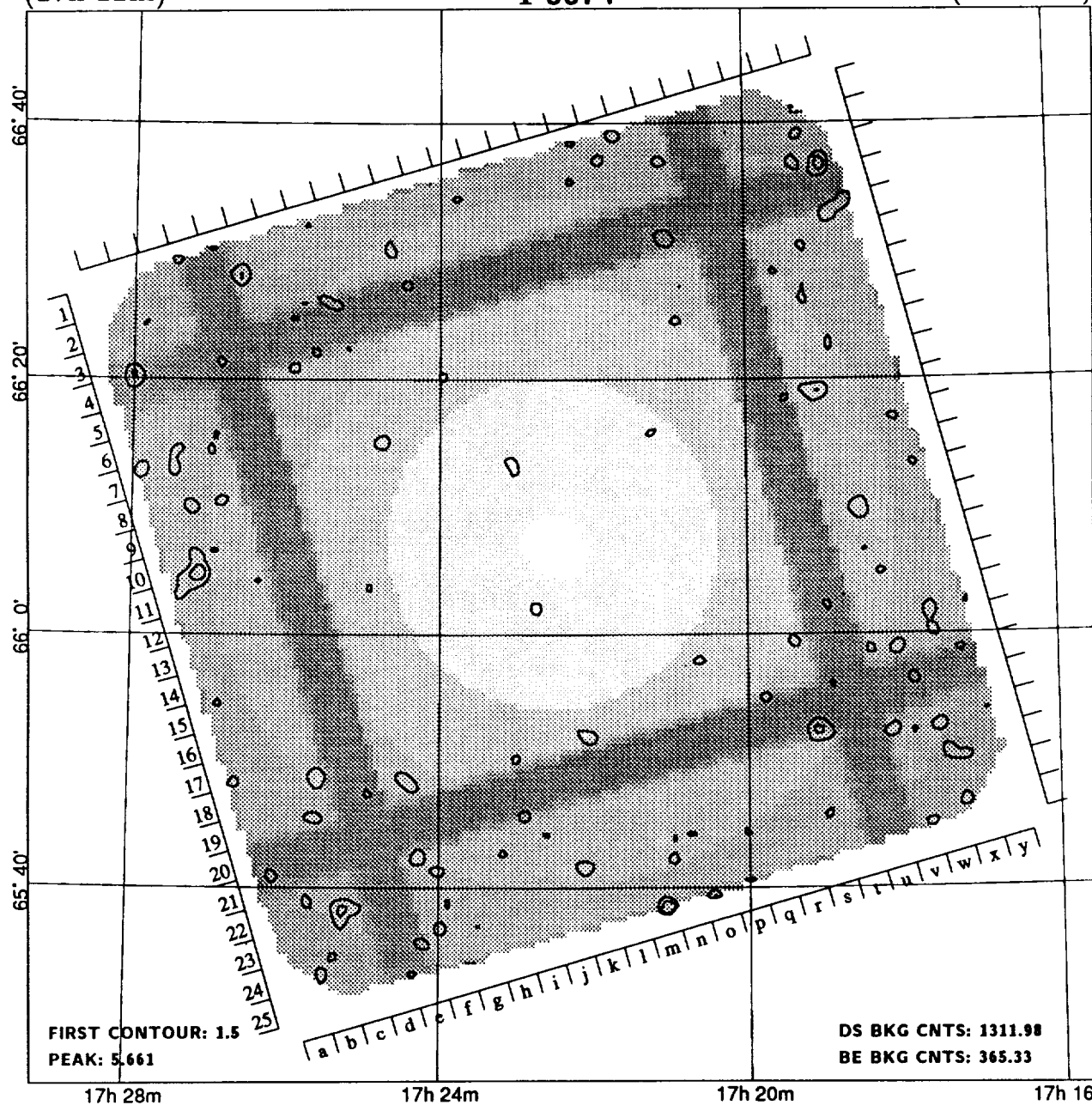
NH: $1.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3899	1	17 22 25.3	-48 32 46	43	0.0157	0.0036	26.4	9.6	4.4	1.1	0	10.3	H	

(17h 22m)

I 8874

(17h 22m)

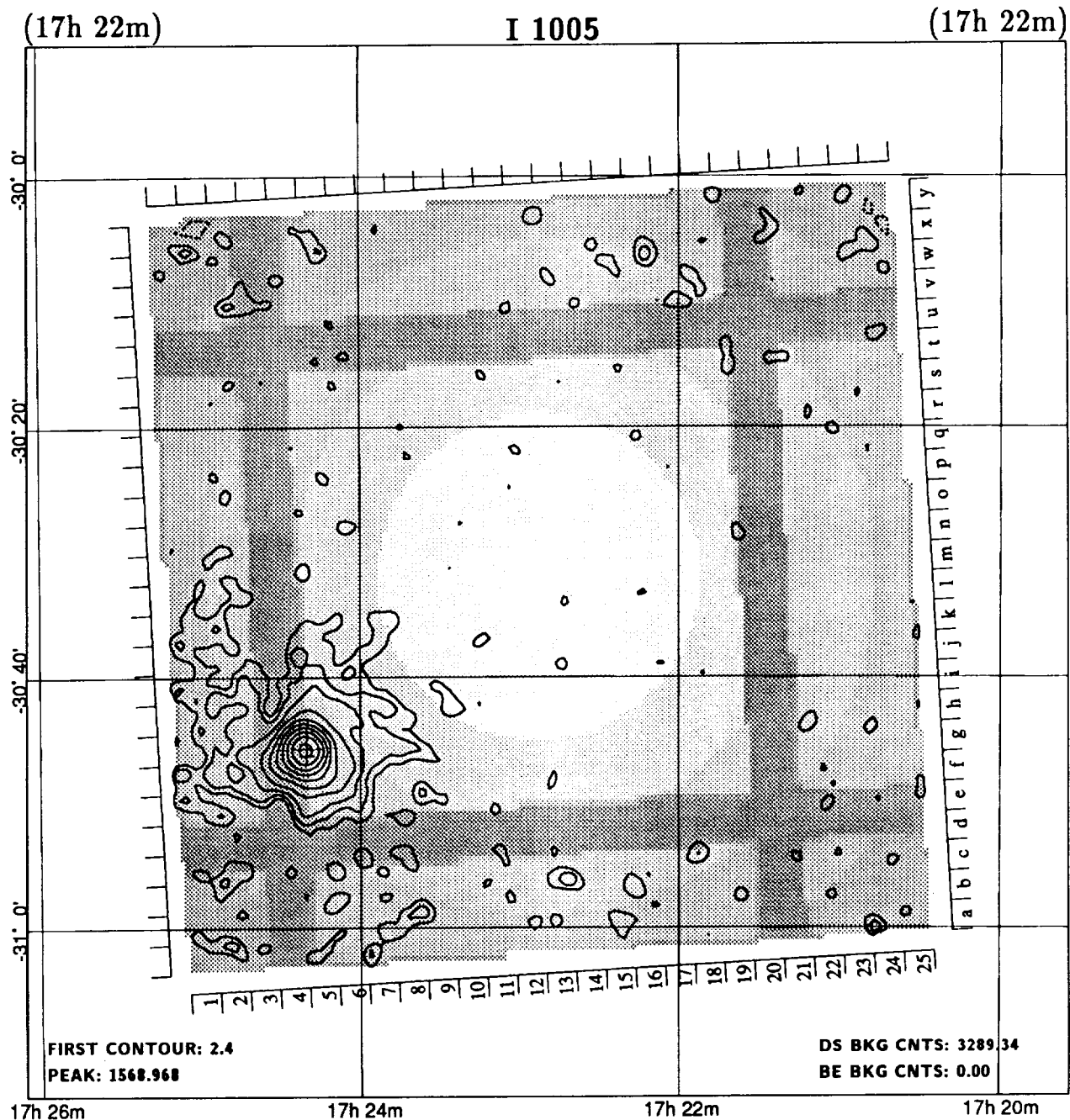


GSFC NEP SURVEY - FIELD # 141 -3 -6

FIELD CENTER: $17^{\text{h}}22^{\text{m}}25.4^{\text{s}}$ $66^{\circ}06'56''$ (B1950)
 $17^{\text{h}}22^{\text{m}}30.5^{\text{s}}$ $66^{\circ}04'13''$ (J2000)
 $l: 96.14$ $b: 33.60$

DATE: 1980/147 - 1980/147
LIVETIME: 1063.1s
ROLL ANGLE: -16.0°

NH: $3.5\text{E}+20$
REF/ID:
FIELD FLAGS:



4U 1722-30, GALACTIC SOURCE LOCATION AND SPECTRA

FIELD CENTER: $17^h 22^m 49.8^s$ $-30^\circ 31' 29''$ (B1950)
 $17^h 26^m 02.5^s$ $-30^\circ 34' 04''$ (J2000)
 $l: 356.33$ $b: 2.70$

DATE: 1979/ 67 - 1979/ 67
 LIVETIME: 2665.4s
 ROLL ANGLE: -93.2°

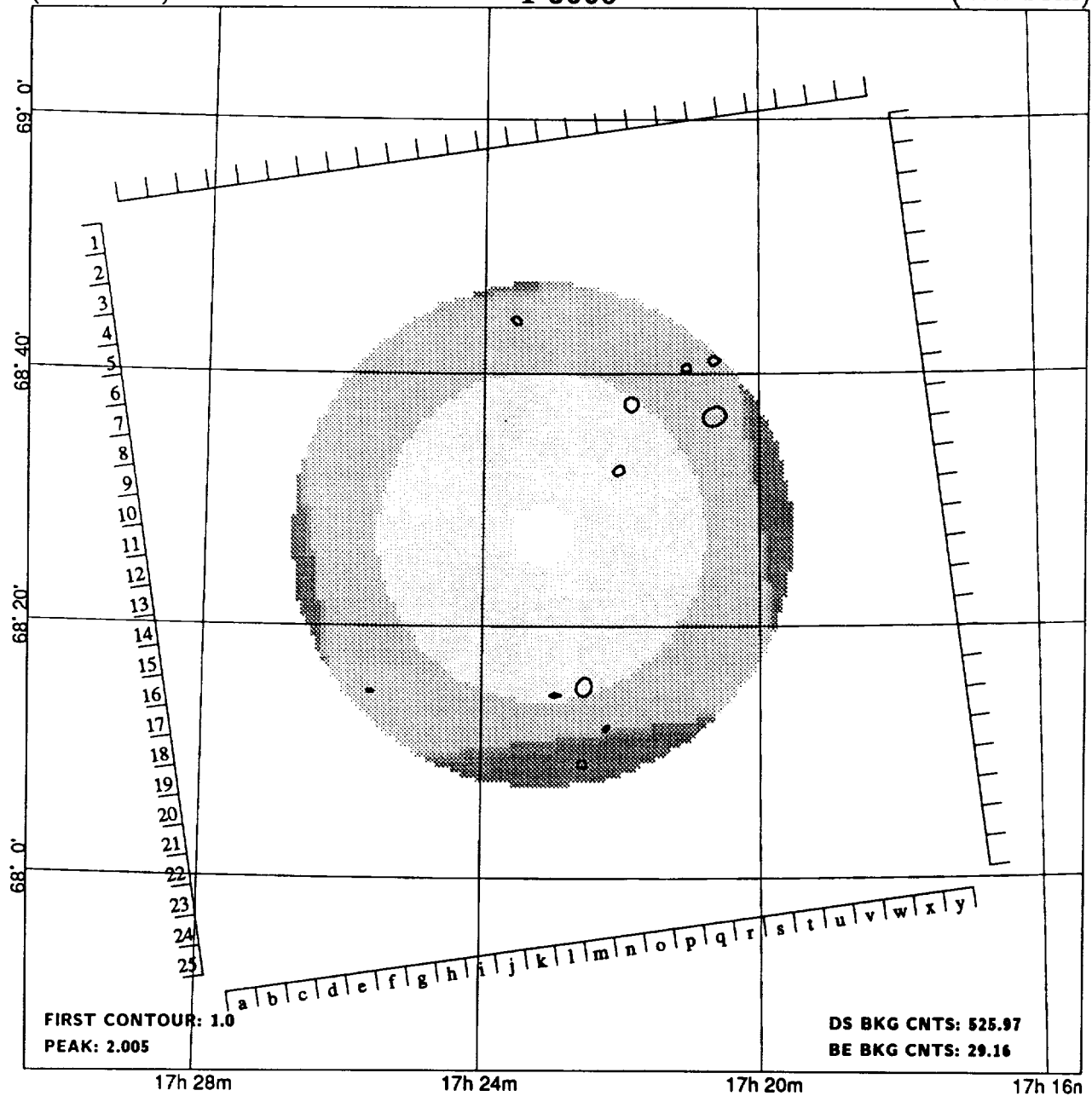
NH: $2.6E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3903	1L	17 24 20.2	-30 45 39	47	*1.796	0.076	2190.4	119.6	23.7	1.3	906	24.1		GLB

(17h 22m)

I 8660

(17h 22m)



GSFC NEP SURVEY - FIELD # 166 -7 -1

FIELD CENTER: 17^h22^m55.4^s 68°26'50" (B1950)
17^h22^m42.4^s 68°24'09" (J2000)
ℓ: 98.89 b: 33.21

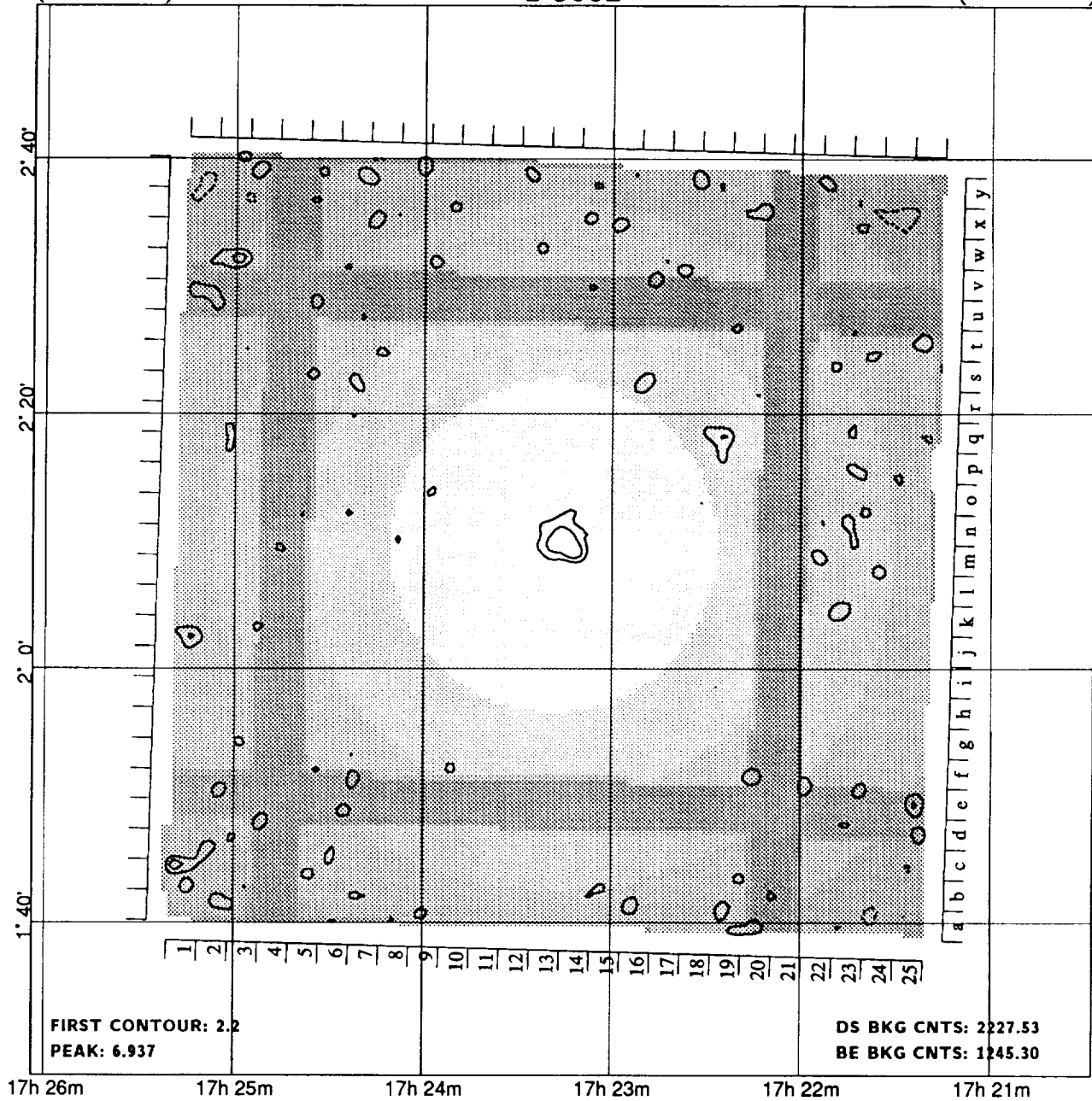
DATE: 1980/150 - 1980/150
LIVETIME: 426.2s
ROLL ANGLE: -8.1°

NH: 4.1E+20
REF/ID:
FIELD FLAGS:

(17h 23m)

I 5602

(17h 23m)



HD 157881

FIELD CENTER: $17^h 23^m 15.8^s$ $02^\circ 09' 59''$ (B1950)
 $17^h 25^m 47.2^s$ $02^\circ 07' 25''$ (J2000)
 $l: 24.77$ $b: 19.97$

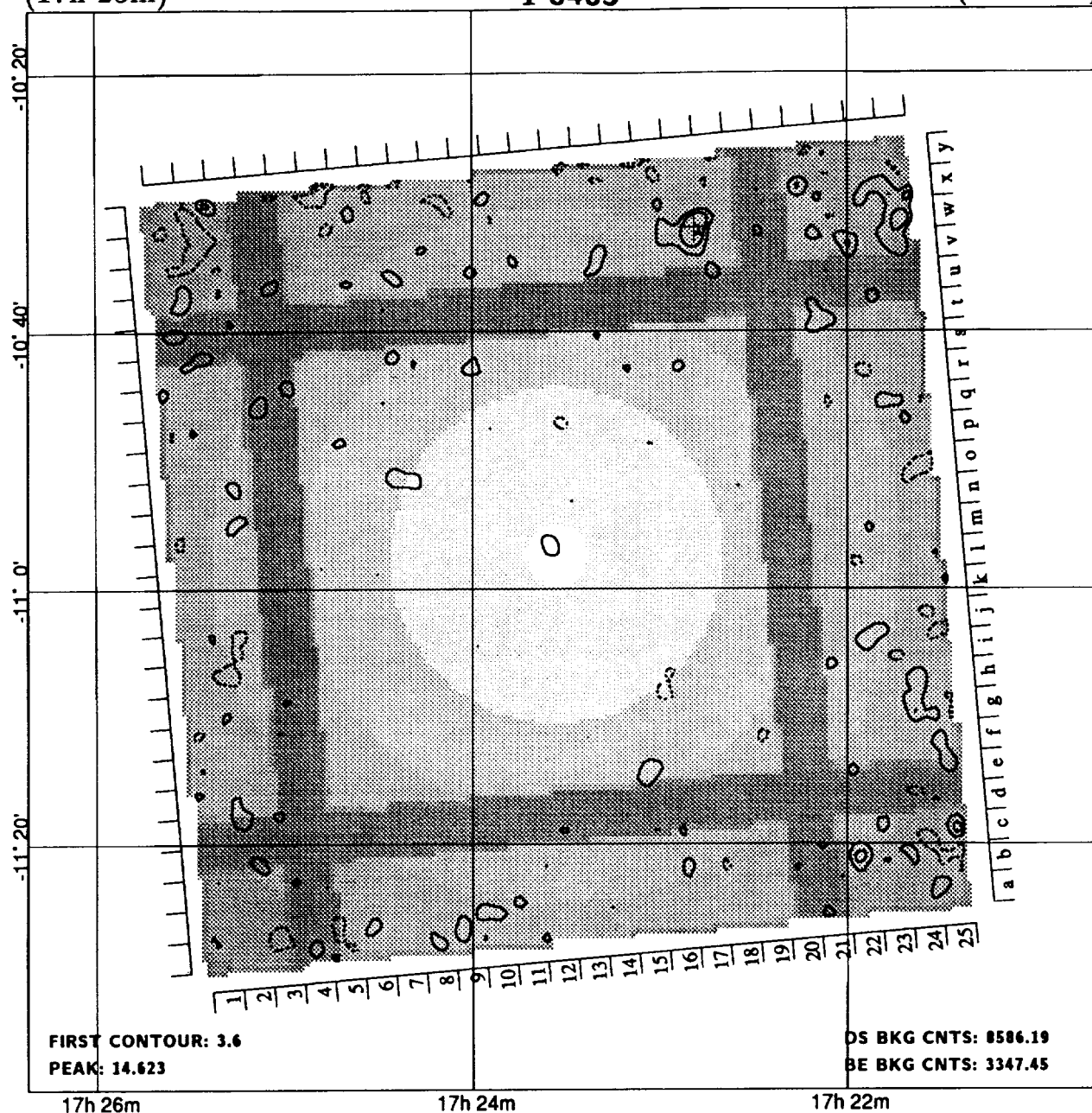
DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 1869.9s
 ROLL ANGLE: -88.5°

NH: $7.7E+20$
 REF/ID:
 FIELD FLAGS: L

(17h 23m)

I 8483

(17h 23m)



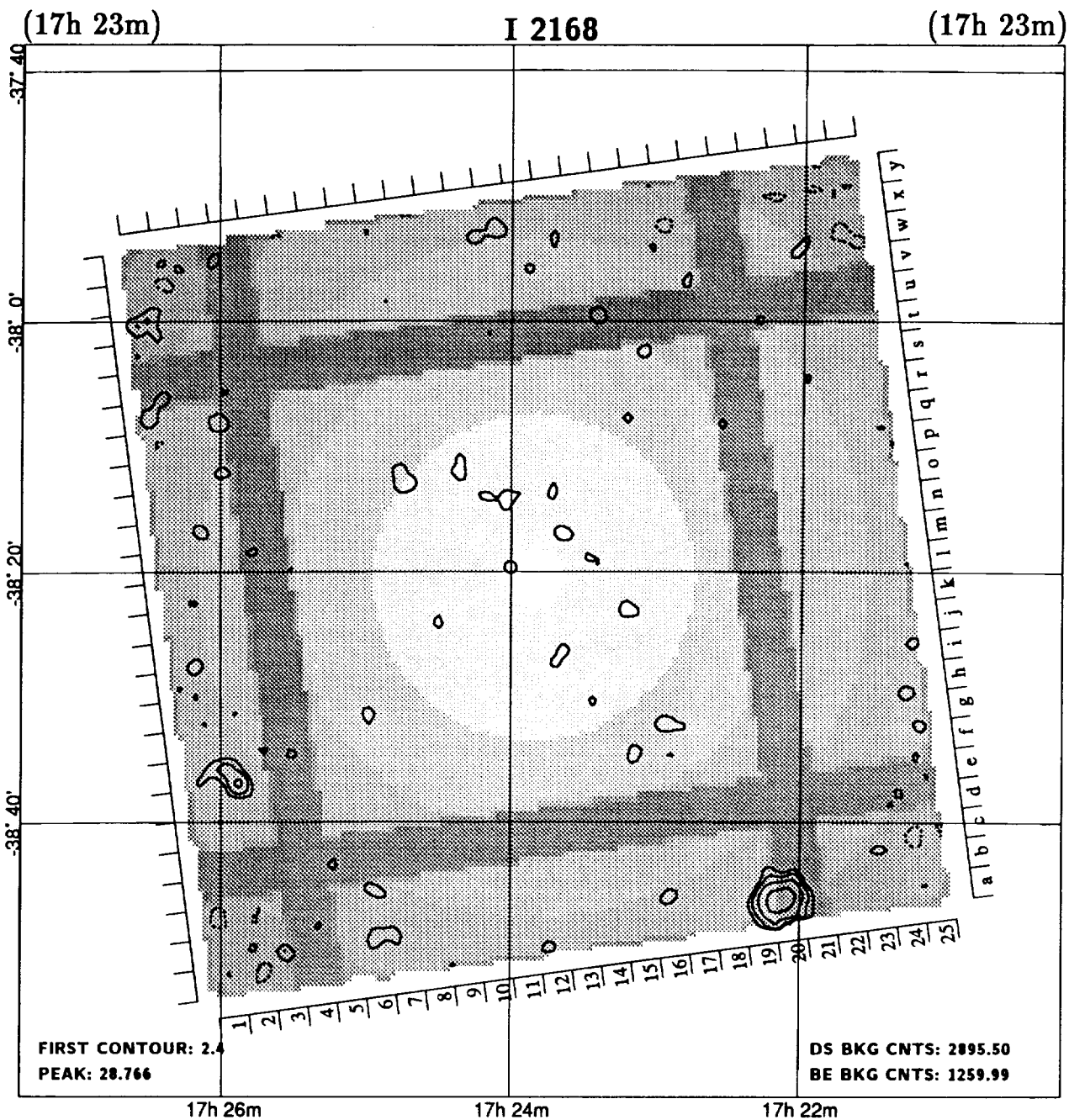
HD 157857, EARLY O TYPE AND SUPERGIANTS

FIELD CENTER: $17^{\text{h}}23^{\text{m}}30.6^{\text{s}}$ $-10^{\circ}57'00''$ (B1950)
 $17^{\text{h}}26^{\text{m}}17.2^{\text{s}}$ $-10^{\circ}59'33''$ (J2000)
 $l: 12.97$ $b: 13.31$

DATE: 1981/ 92 - 1981/ 92
 LIVETIME: 6957.6s
 ROLL ANGLE: -94.9°

NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3900	1L	17 22 48.8	-10 31 54	53	0.0119	0.0032	31.9	20.1	3.5	1.2	0	27.1	



X-RAY STUDY OF SUPERNOVA REMNANTS: G350.0-1.8

FIELD CENTER: $17^h 23^m 47.8^s$ $-38^\circ 19' 59''$ (B1950)
 $17^h 27^m 13.9^s$ $-38^\circ 22' 30''$ (J2000)
 $l: 349.99$ $b: -1.86$

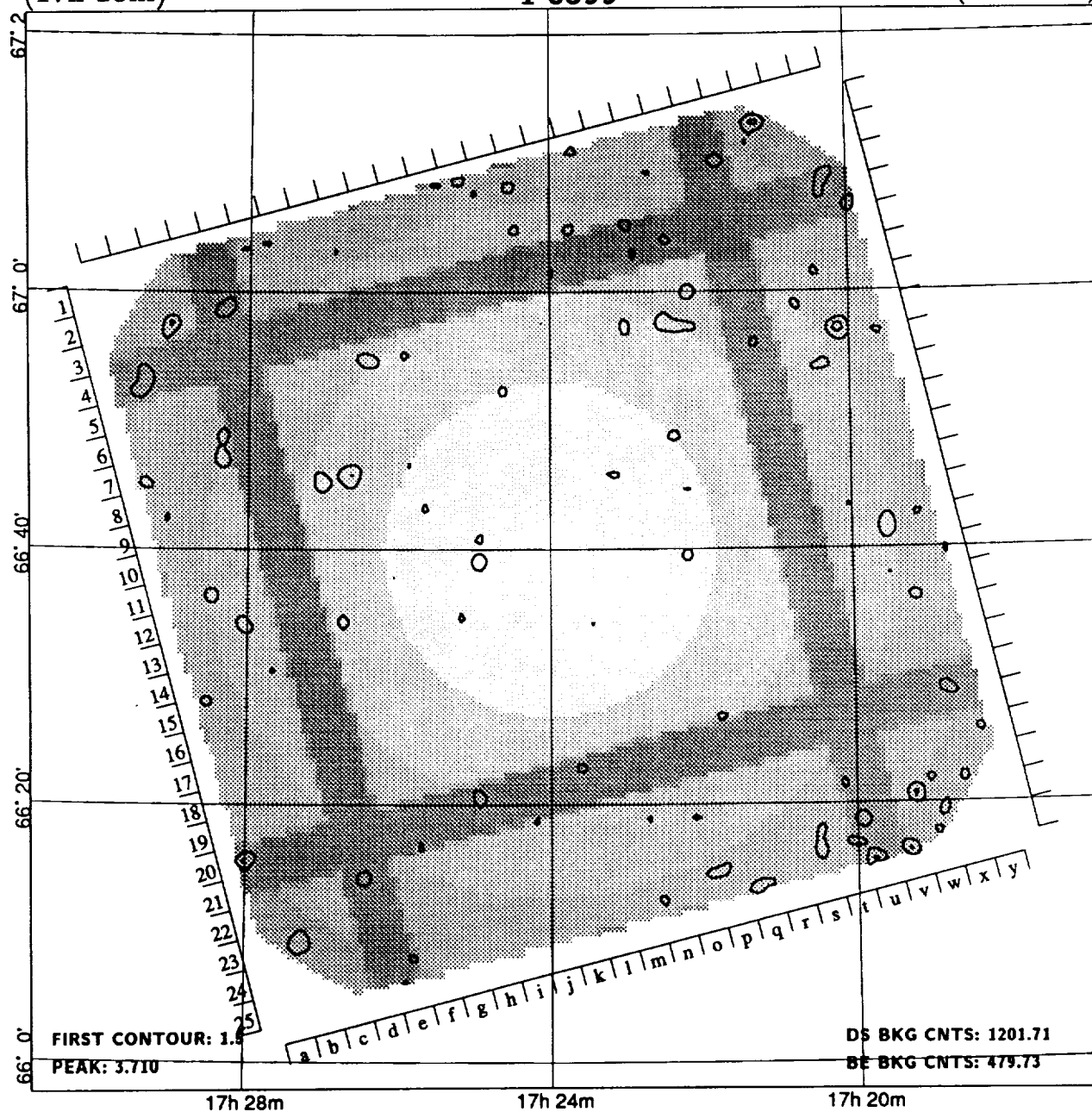
DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 2346.3s
 ROLL ANGLE: -97.6°

NH: $8.8E+21$
 REF/ID: !
 FIELD FLAGS: LS

(17h 23m)

I 8599

(17h 23m)

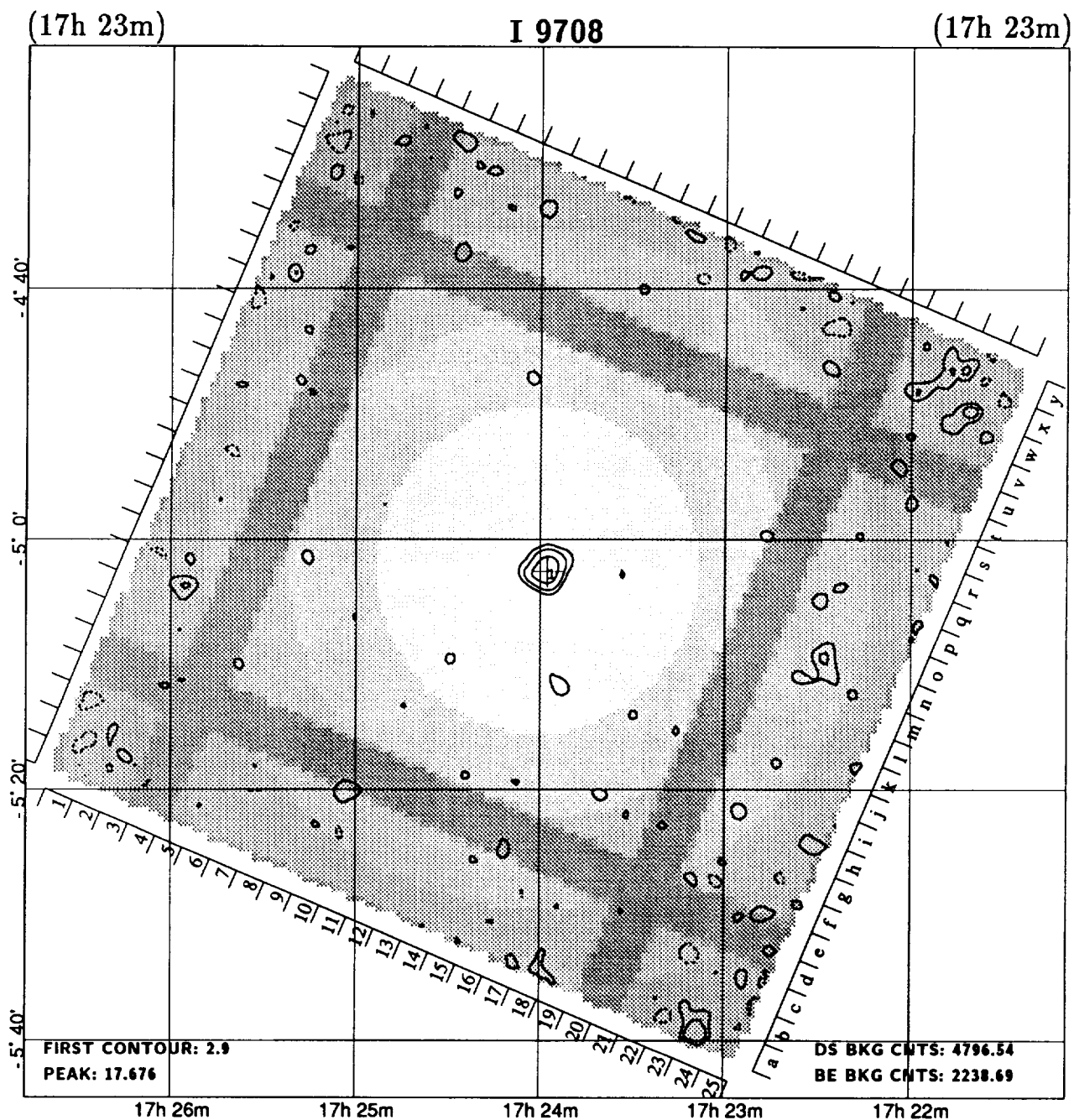


GSFC NEP SURVEY - FIELD # 105 -2 -5

FIELD CENTER: $17^h 23^m 49.7^s$ $66^\circ 40' 06''$ (B1950)
 $17^h 23^m 49.6^s$ $66^\circ 37' 28''$ (J2000)
 $l: 96.77$ $b: 33.39$

DATE: 1980/146 - 1980/146
LIVETIME: 973.8s
ROLL ANGLE: -14.3°

NH: $3.9E+20$
REF/ID:
FIELD FLAGS:



FIELD CENTER: $17^h 23^m 58.3^s$ $-05^\circ 02' 37''$ (B1950)
 $17^h 26^m 38.0^s$ $-05^\circ 05' 09''$ (J2000)
 $l: 18.26$ $b: 16.27$

DATE: 1981/ 95 - 1981/ 95
 LIVETIME: 3886.8s
 ROLL ANGLE: -67.1°

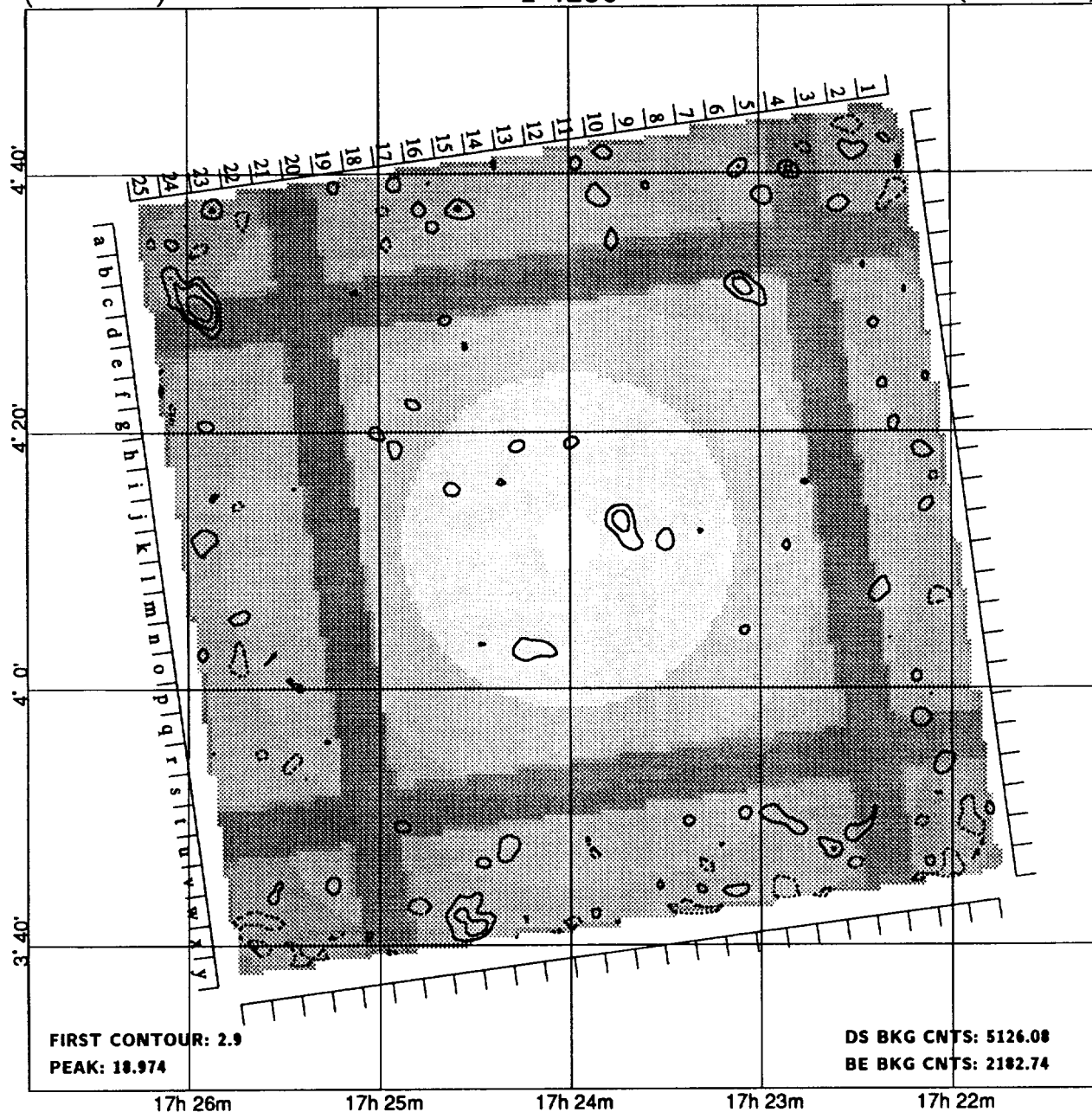
NH: $1.5E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3902	1L	17 23 57.7	-05 02 34	32	0.0264	0.0042	76.4	28.6	6.2	1.1	0	0.7		S

(17h 24m)

I 4230

(17h 24m)



SIGMA OPH, LATE-TYPE STAR

FIELD CENTER: $17^{\text{h}}24^{\text{m}}01.8^{\text{s}}$ $04^{\circ}10'55''$ (B1950)
 $17^{\text{h}}26^{\text{m}}30.7^{\text{s}}$ $04^{\circ}08'24''$ (J2000)
 $l: 26.77$ $b: 20.76$

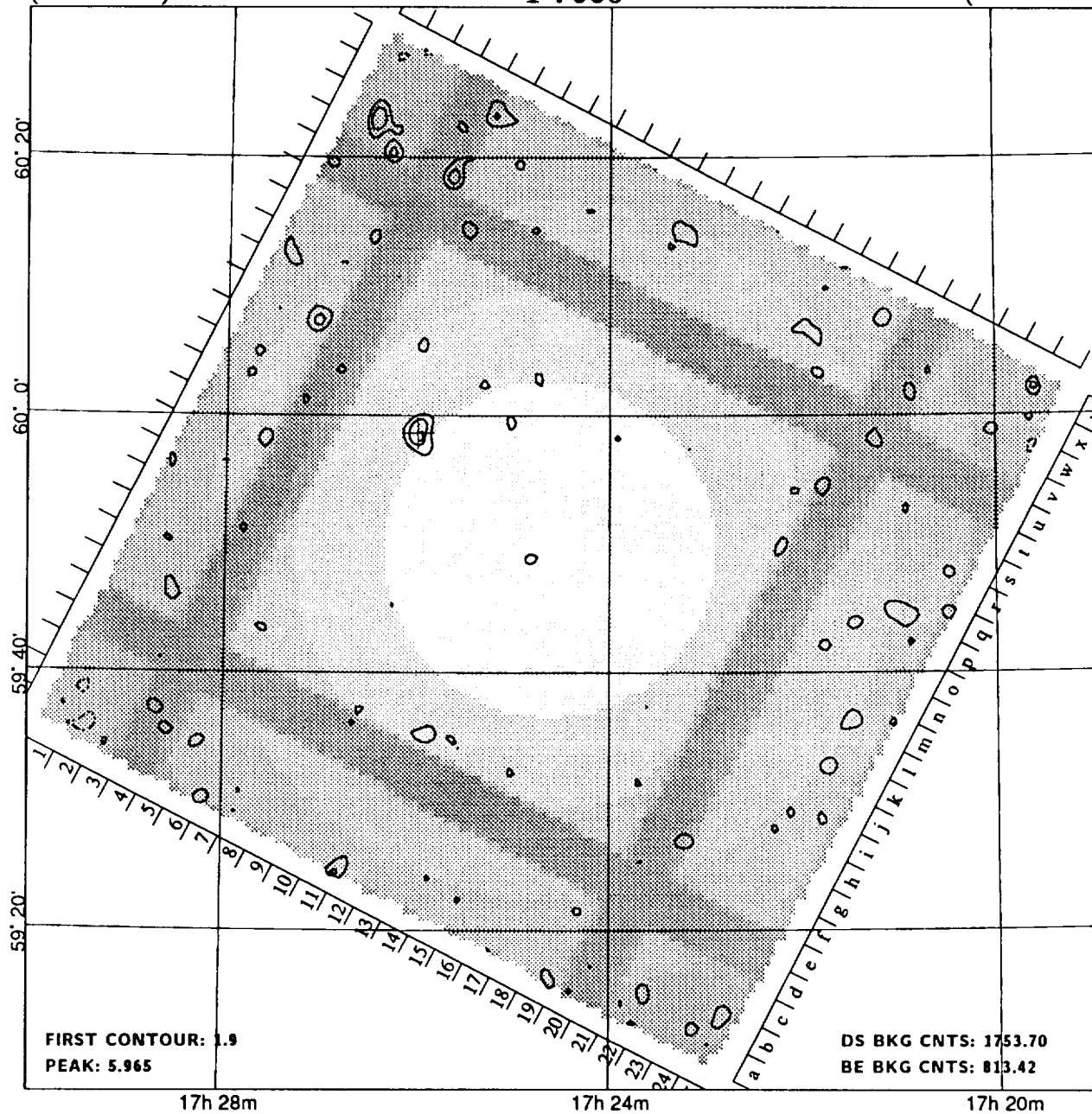
DATE: 1979/241 - 1979/241
 LIVETIME: 4153.8s
 ROLL ANGLE: 82.3°

NH: $6.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(17h 24m)

I 7660

(17h 24m)



H1725+59, POSITION 1

FIELD CENTER: $17^{\text{h}}24^{\text{m}}28.8^{\text{s}}$ $59^{\circ}49'35''$ (B1950)
 $17^{\text{h}}25^{\text{m}}09.1^{\text{s}}$ $59^{\circ}47'02''$ (J2000)
 $l: 88.58$ $b: 33.97$

DATE: 1980/100 - 1980/100
 LIVETIME: 1421.1s
 ROLL ANGLE: -62.8°

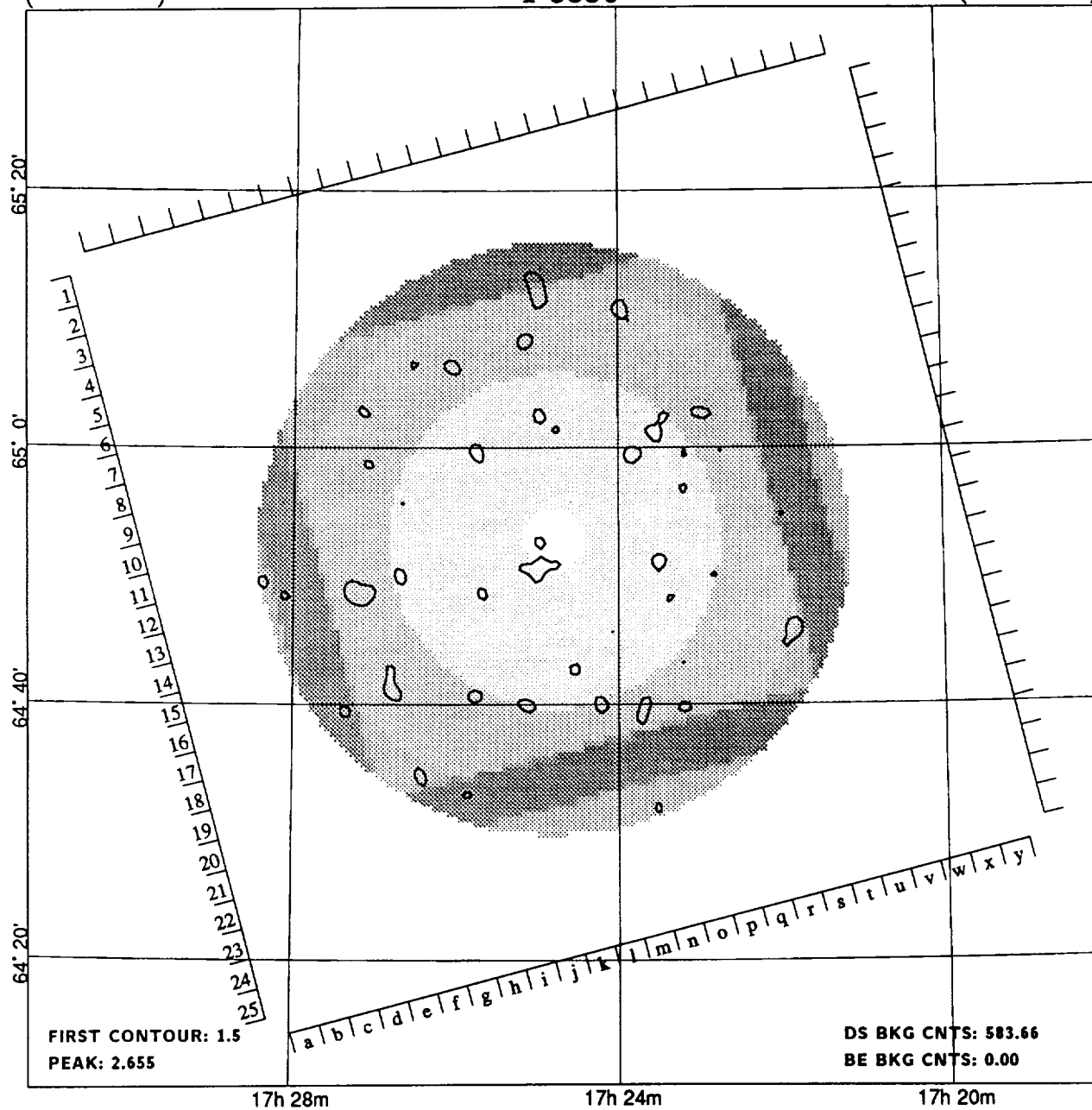
NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3907	1	17 26 00.5	59 58 38	46	0.0222	0.0058	19.3	5.7	3.9	0.8	0	14.3	H

(17h 24m)

I 8836

(17h 24m)



FIELD CENTER: $17^h 24^m 40.3^s$ $64^\circ 52' 21''$ (B1950)
 $17^h 24^m 53.4^s$ $64^\circ 49' 48''$ (J2000)
 $l: 94.62$ $b: 33.52$

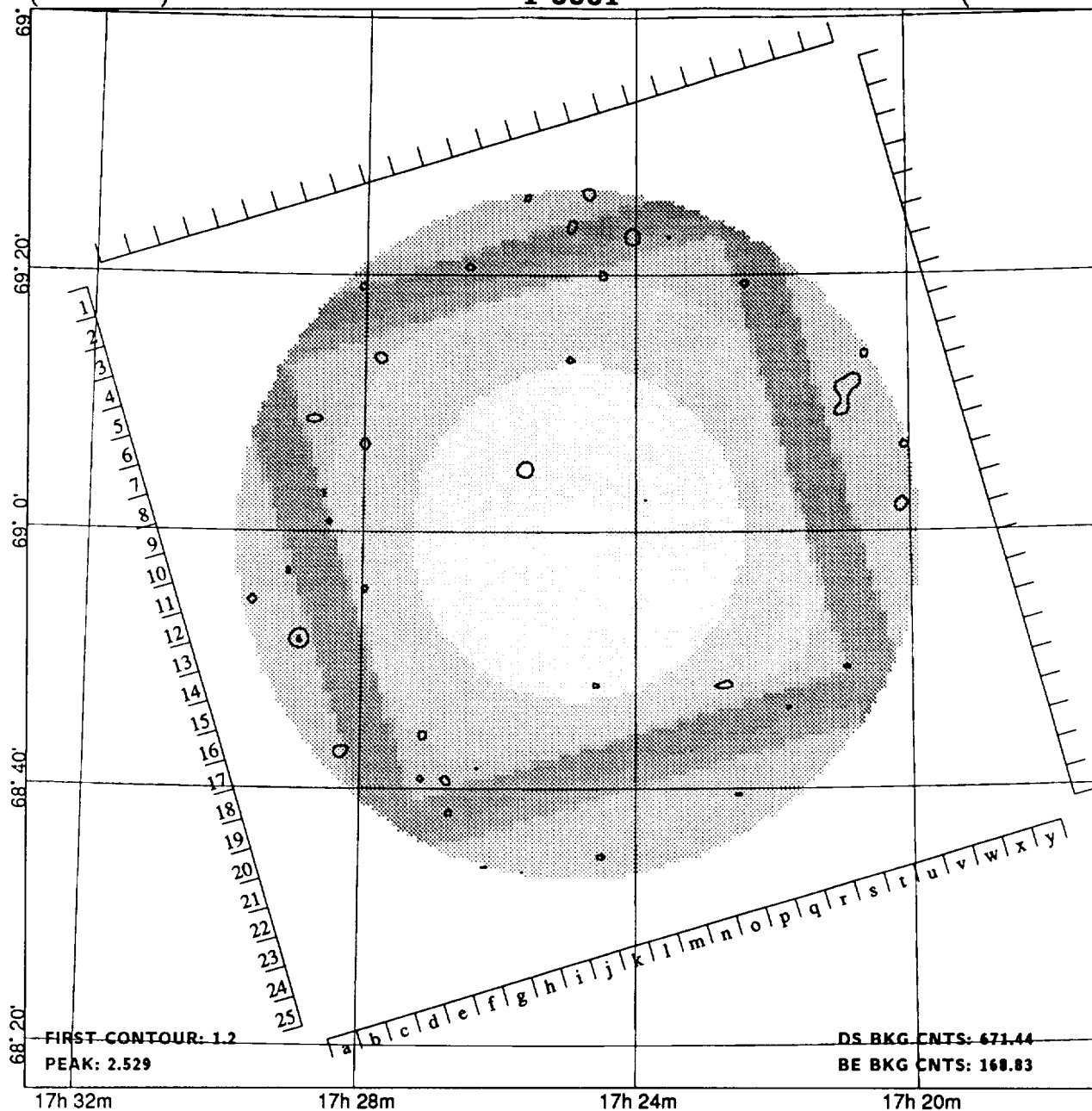
DATE: 1980/149 - 1980/149
LIVETIME: 473.0s
ROLL ANGLE: -14.6°

NH: $3.2E+20$
REF/ID:
FIELD FLAGS: L

(17h 25m)

I 8881

(17h 25m)



GSFC NEP SURVEY - FIELD # 148 4 -6

FIELD CENTER: $17^{\text{h}}25^{\text{m}}05.5^{\text{s}}$ $68^{\circ}58'43''$ (B1950)
 $17^{\text{h}}24^{\text{m}}47.6^{\text{s}}$ $68^{\circ}56'10''$ (J2000)
 $l: 99.48$ $b: 32.93$

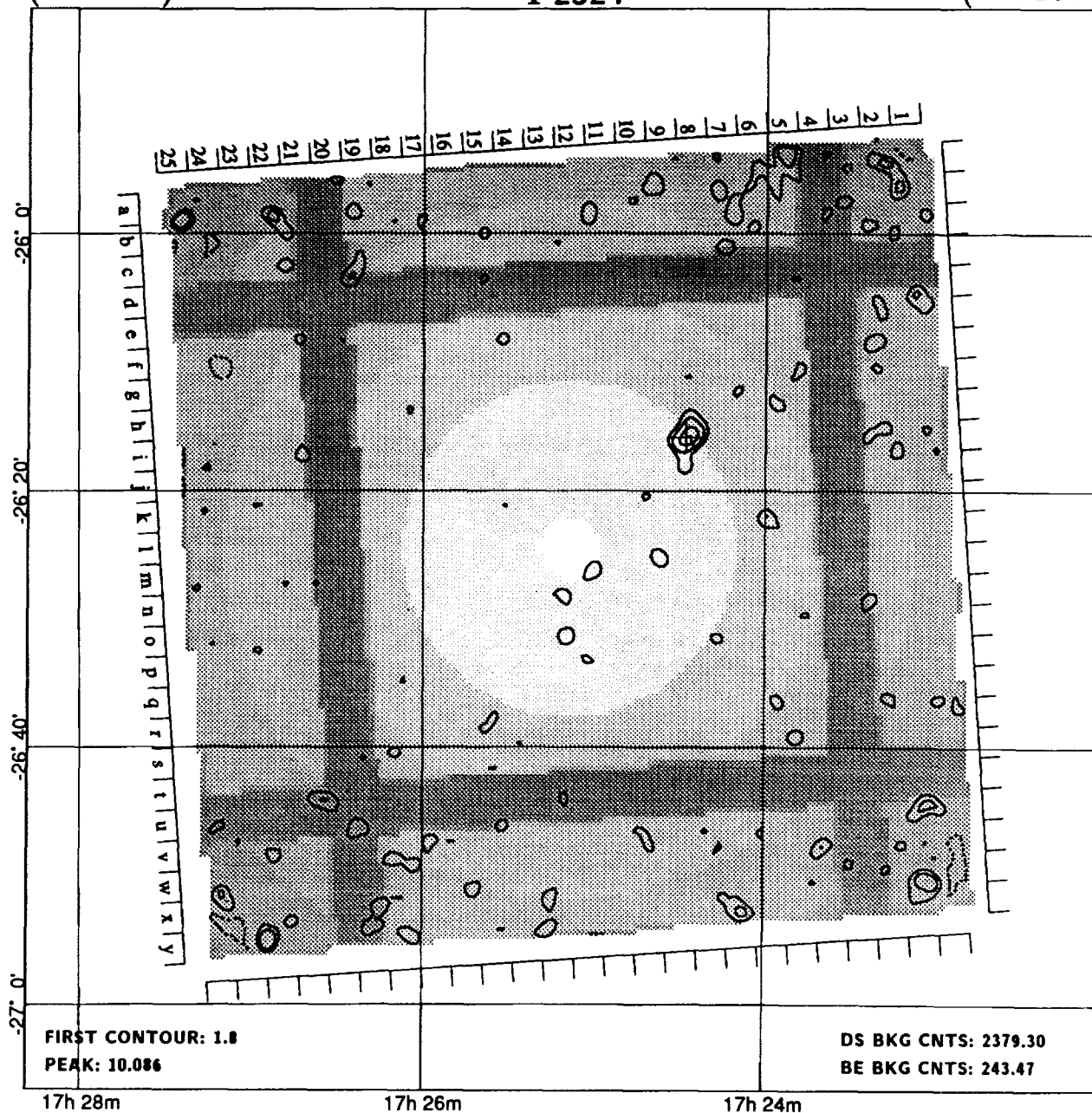
DATE: 1980/147 - 1980/147
 LIVETIME: 544.1s
 ROLL ANGLE: -16.6°

NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 25m)

I 2524

(17h 25m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}25^{\text{m}}10.3^{\text{s}}$ $-26^{\circ}24'36''$ (B1950)
 $17^{\text{h}}28^{\text{m}}17.0^{\text{s}}$ $-26^{\circ}27'01''$ (J2000)
 $l: 0.04$ $b: 4.57$

DATE: 1979/264 - 1979/264
 LIVETIME: 1928.0s
 ROLL ANGLE: 86.2°

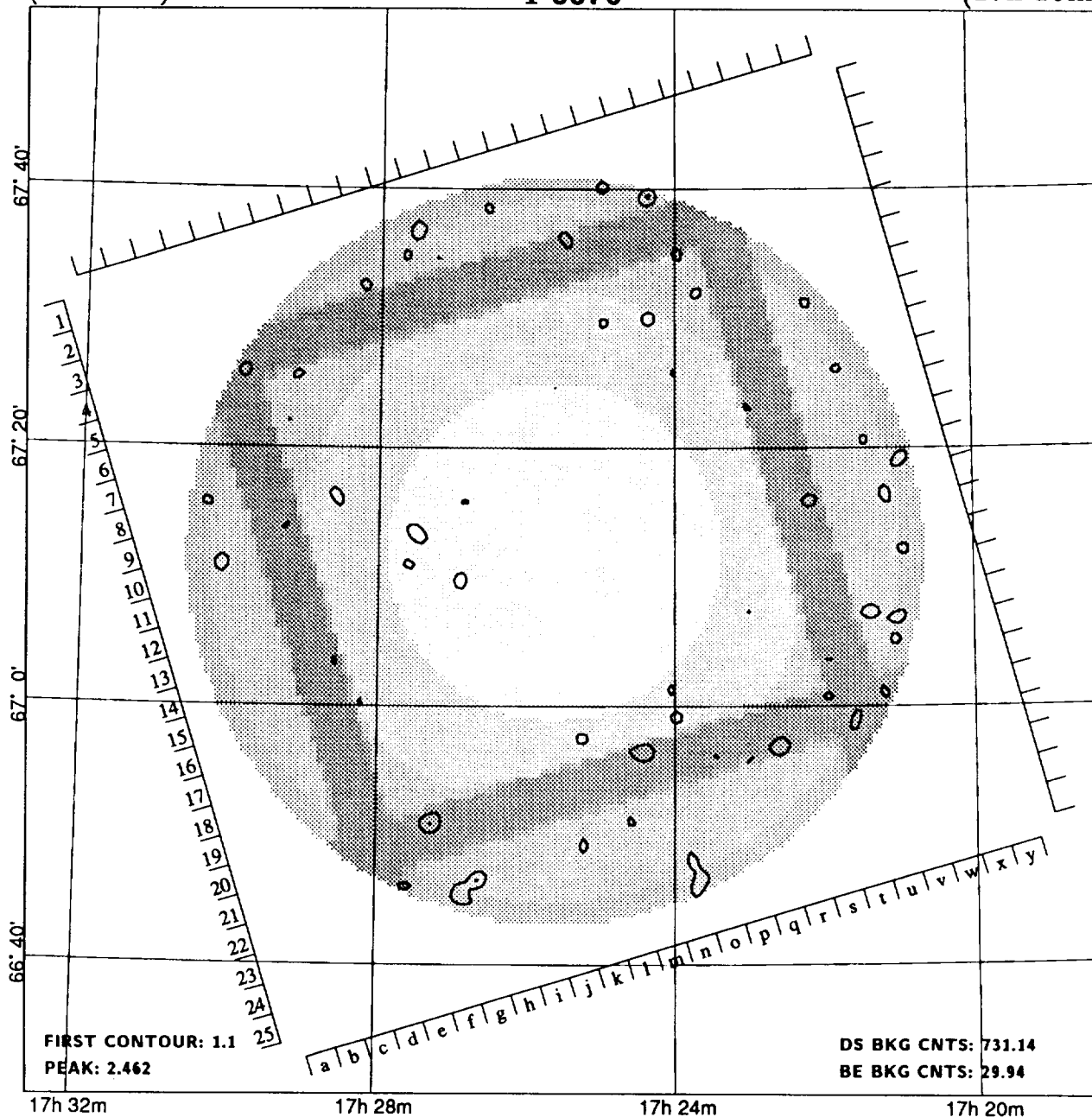
NH: $3.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3904	1	17 24 27.9	-26 15 51	42	0.0250	0.0049	30.5	5.5	5.1	1.0	0	13.2	H

(17h 25m)

I 8876

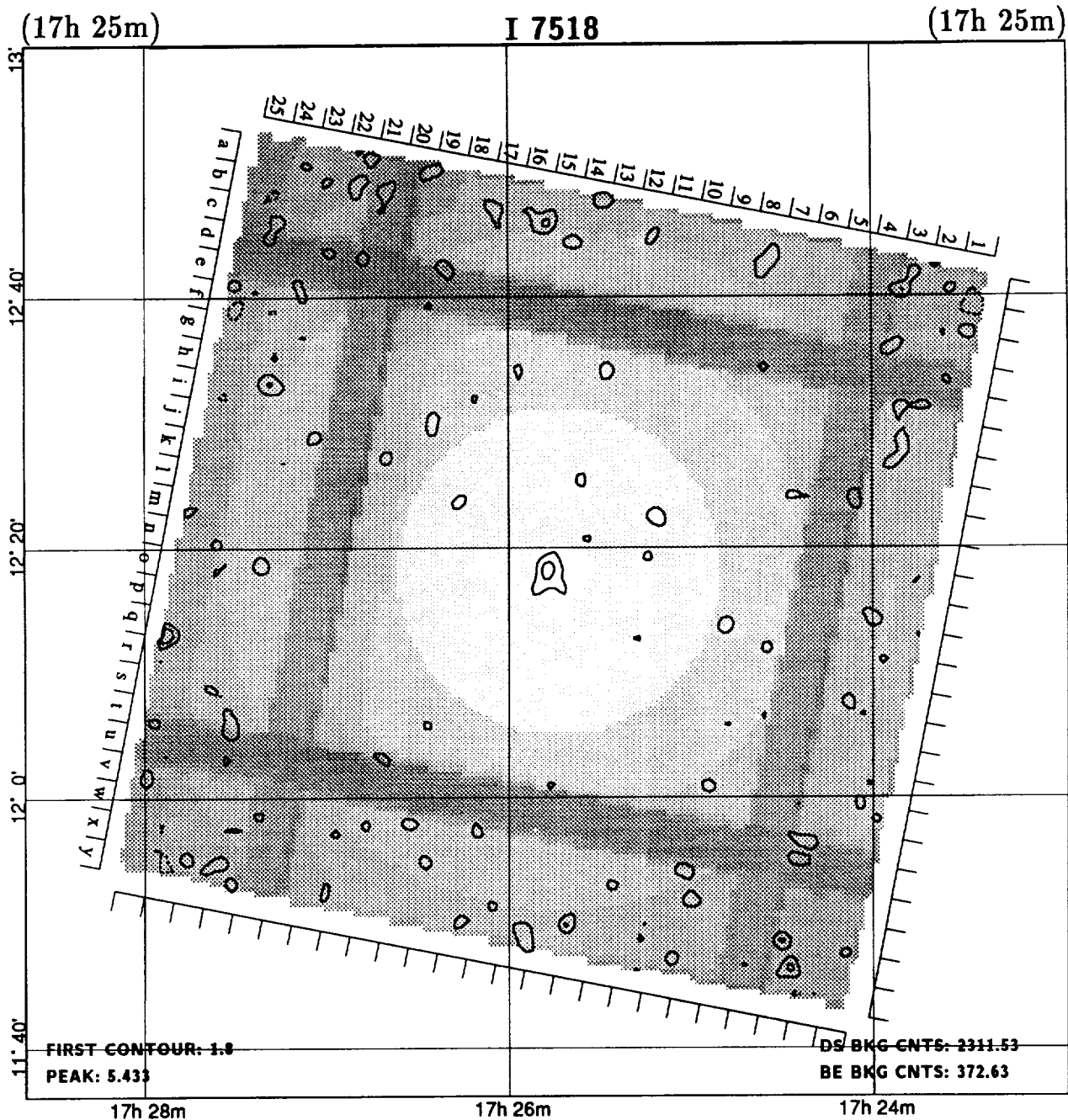
(17h 25m)



FIELD CENTER: 17^h25^m31.4^s 67°11'58" (B1950)
 17^h25^m28.2^s 67°09'28" (J2000)
 l : 97.38 b : 33.15

DATE: 1980/146 - 1980/146
 LIVETIME: 592.5s
 ROLL ANGLE: -16.7°

NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:



PKS 1725+123, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: $17^{\text{h}}25^{\text{m}}47.4^{\text{s}}$ $12^{\circ}18'09''$ (B1950)
 $17^{\text{h}}28^{\text{m}}06.8^{\text{s}}$ $12^{\circ}15'45''$ (J2000)
 $l: 34.85$ $b: 23.96$

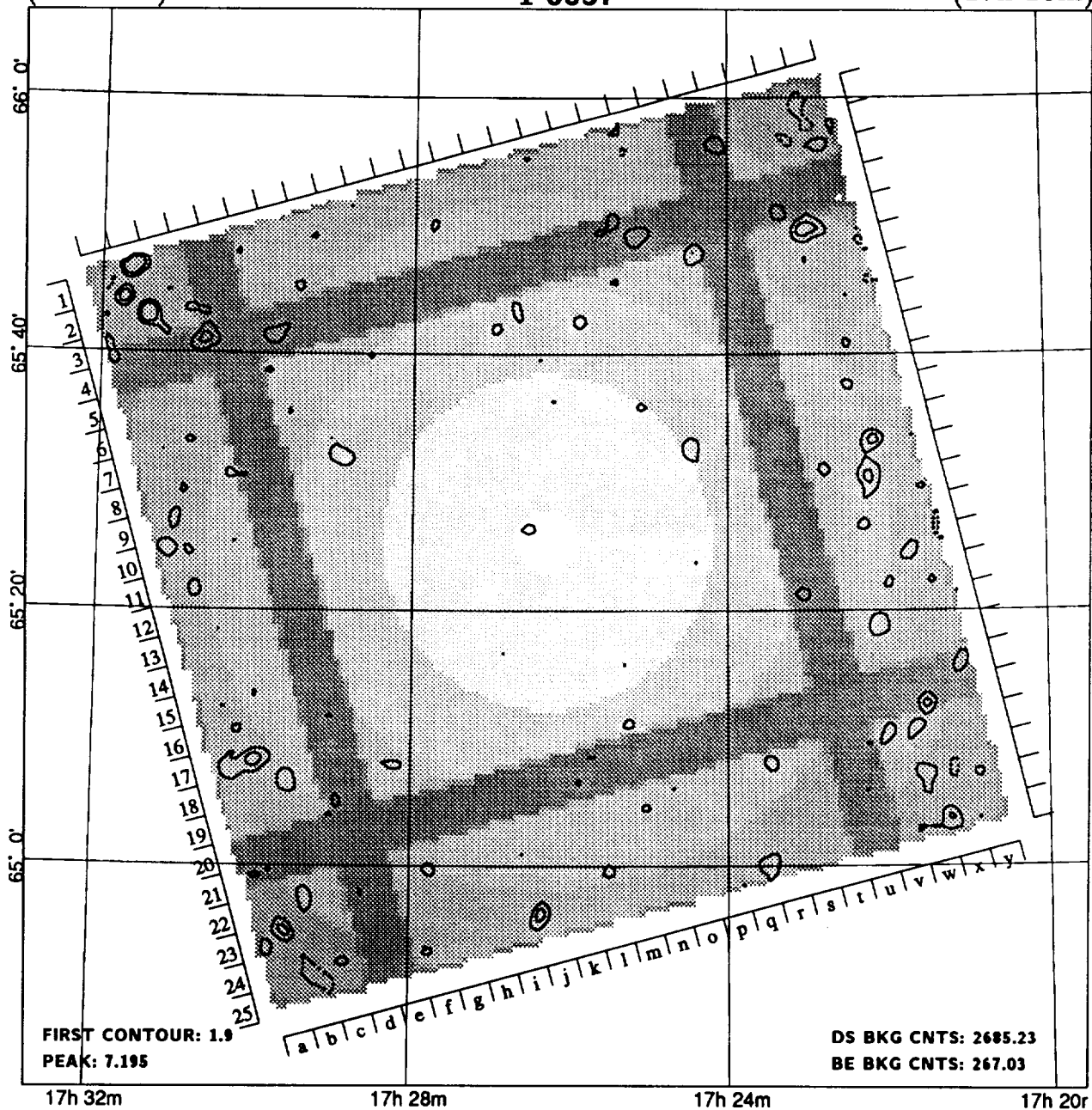
DATE: 1980/282 - 1980/282
 LIVETIME: 1873.1s
 ROLL ANGLE: 101.1°

NH: $8.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 26m)

I 8837

(17h 26m)

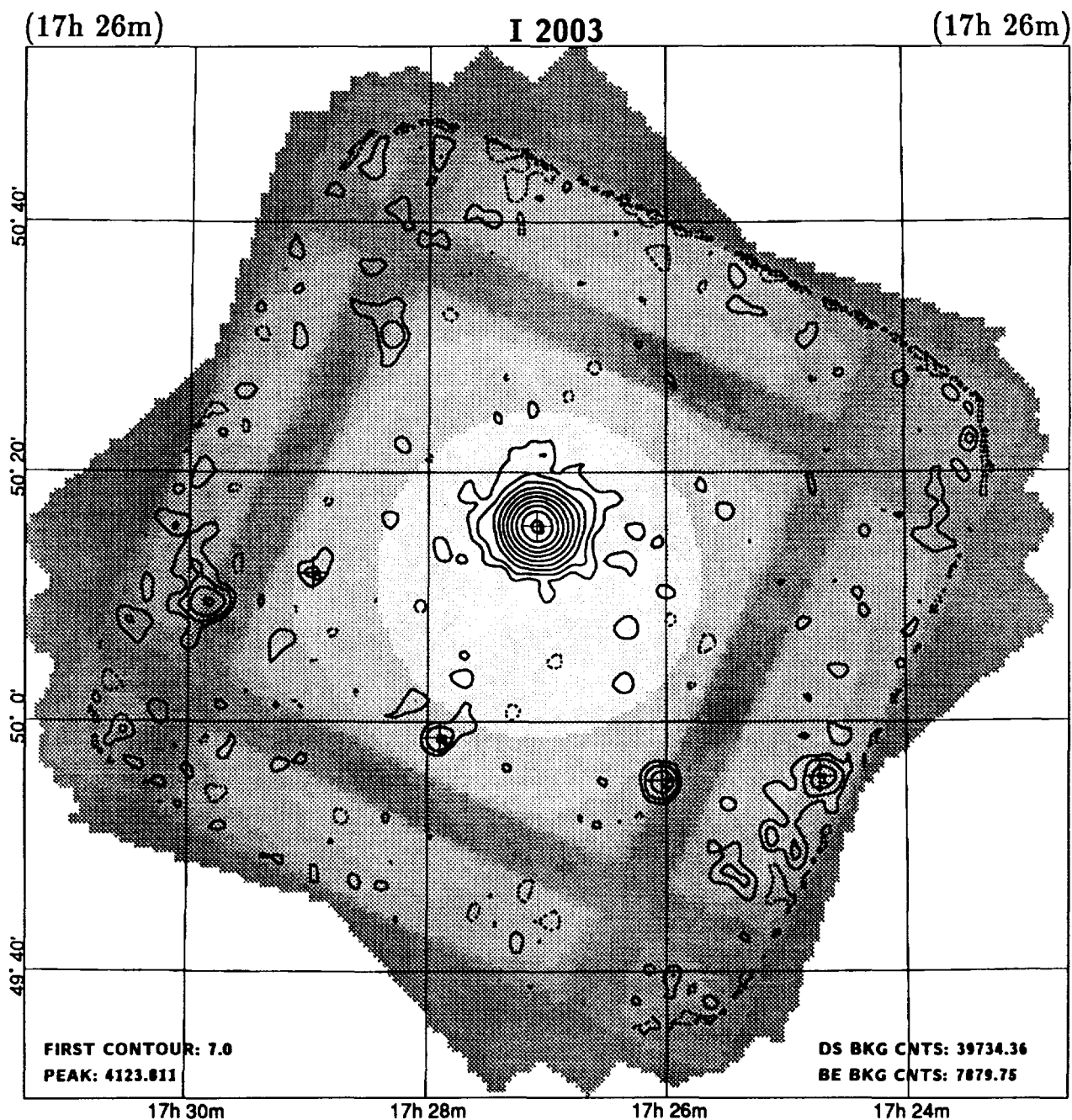


GSFC NEP SURVEY - FIELD # 104 -3 -5

FIELD CENTER: $17^h 26^m 10.3^s$ $65^\circ 24' 52''$ (B1950)
 $17^h 26^m 19.8^s$ $65^\circ 22' 25''$ (J2000)
 $l: 95.25$ $b: 33.30$

DATE: 1980/146 - 1980/146
 LIVETIME: 2175.9s
 ROLL ANGLE: -15.0°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:



X-RAY STUDY OF BL LAC OBJECTS: I ZW 186(OT 546)

FIELD CENTER: 17^h26^m59.8^s 50°11'59" (B1950)
17^h28^m14.2^s 50°09'38" (J2000)
 l : 77.00 b : 33.55

DATE: 1979/ 86 - 1980/124
LIVETIME: 32197.8s

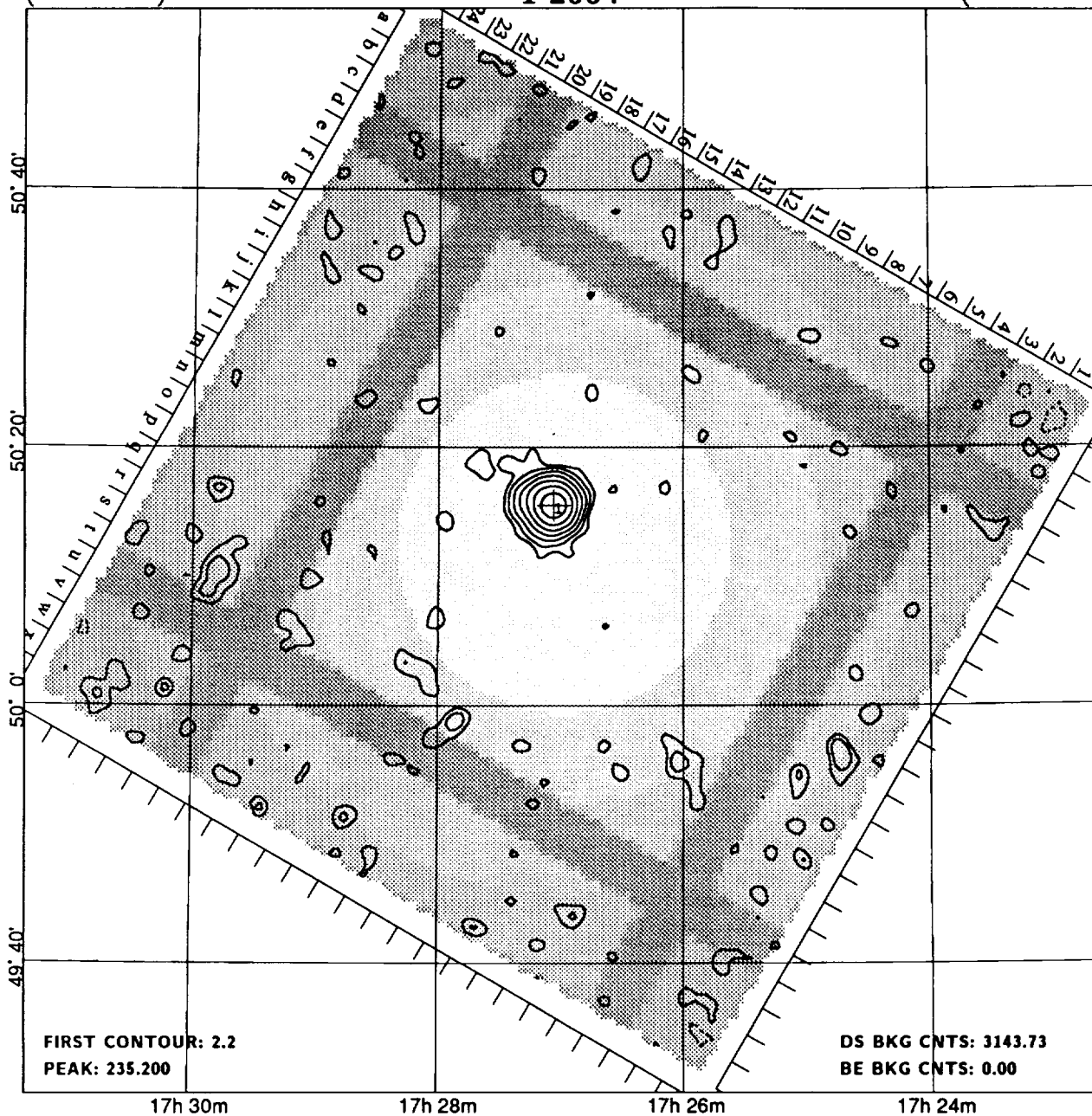
NH: 9.9E+20
REF/ID:
FIELD FLAGS: CLS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3906	1L	17 24 43.2	49 55 38	51	0.0058	0.0013	72.3	98.7	4.3	2.0	0	27.3		
3908	2L	17 26 02.2	49 55 20	48	*0.0081	0.0022	136.8	92.7	3.7	0.9	907	19.0		AGN
3909	3L	17 27 05.3	50 15 41	31	0.6610	0.0063	15388.0	1665.0	104.2	1.3	0	3.8	A	BL
3914	4L	17 27 54.1	49 58 44	50	0.00463	0.00089	87.5	97.5	5.1	1.0	0	15.8		
3917	5L	17 28 58.1	50 11 57	56	0.00342	0.00086	59.4	81.6	3.9	0.8	0	18.8		

(17h 26m)

I 2004

(17h 26m)



X-RAY STUDY OF BL LAC OBJECTS: I ZW 186(OT 546)

FIELD CENTER: $17^{\text{h}}26^{\text{m}}59.8^{\text{s}}$ $50^{\circ}11'59''$ (B1950)
 $17^{\text{h}}28^{\text{m}}14.2^{\text{s}}$ $50^{\circ}09'38''$ (J2000)
 $l: 77.00$ $b: 33.55$

DATE: 1979/206 - 1979/291
 LIVETIME: 2547.4s
 ROLL ANGLE: 120.0°

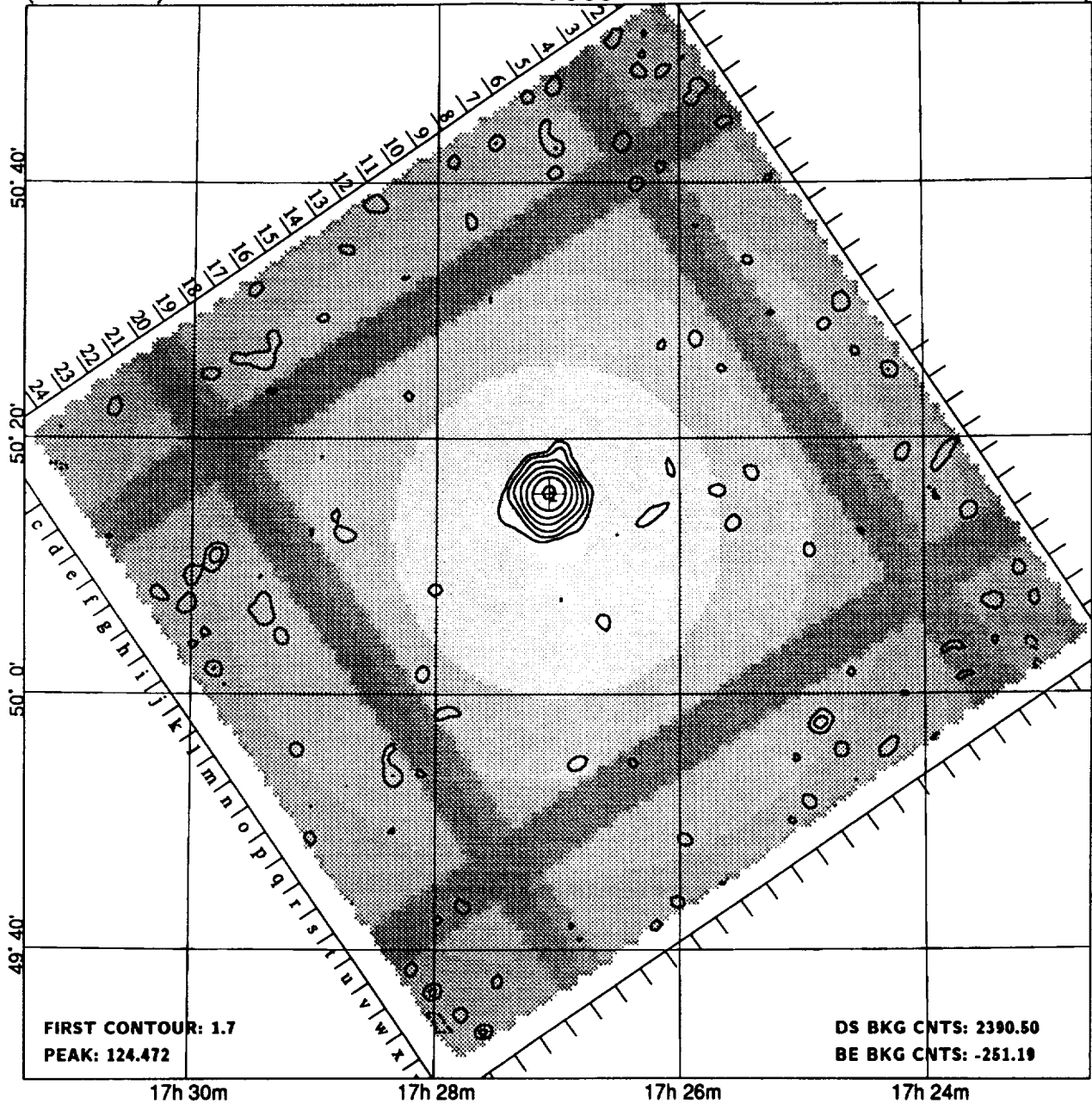
NH: $2.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3909	1L	17 27 03.3	50 15 28	31	0.480	0.019	891.6	107.4	24.8	1.3	0	3.5	A	BL

(17h 26m)

I 9389

(17h 26m)



I ZW 186(OT 546): STUDY, BL LAC's L

FIELD CENTER: 17^h26^m59.8^s 50°11'59" (B1950)
 17^h28^m14.2^s 50°09'38" (J2000)
 ℓ : 77.00 b : 33.55

DATE: 1980/223 - 1980/223
 LIVETIME: 1937.1s
 ROLL ANGLE: 55.7°

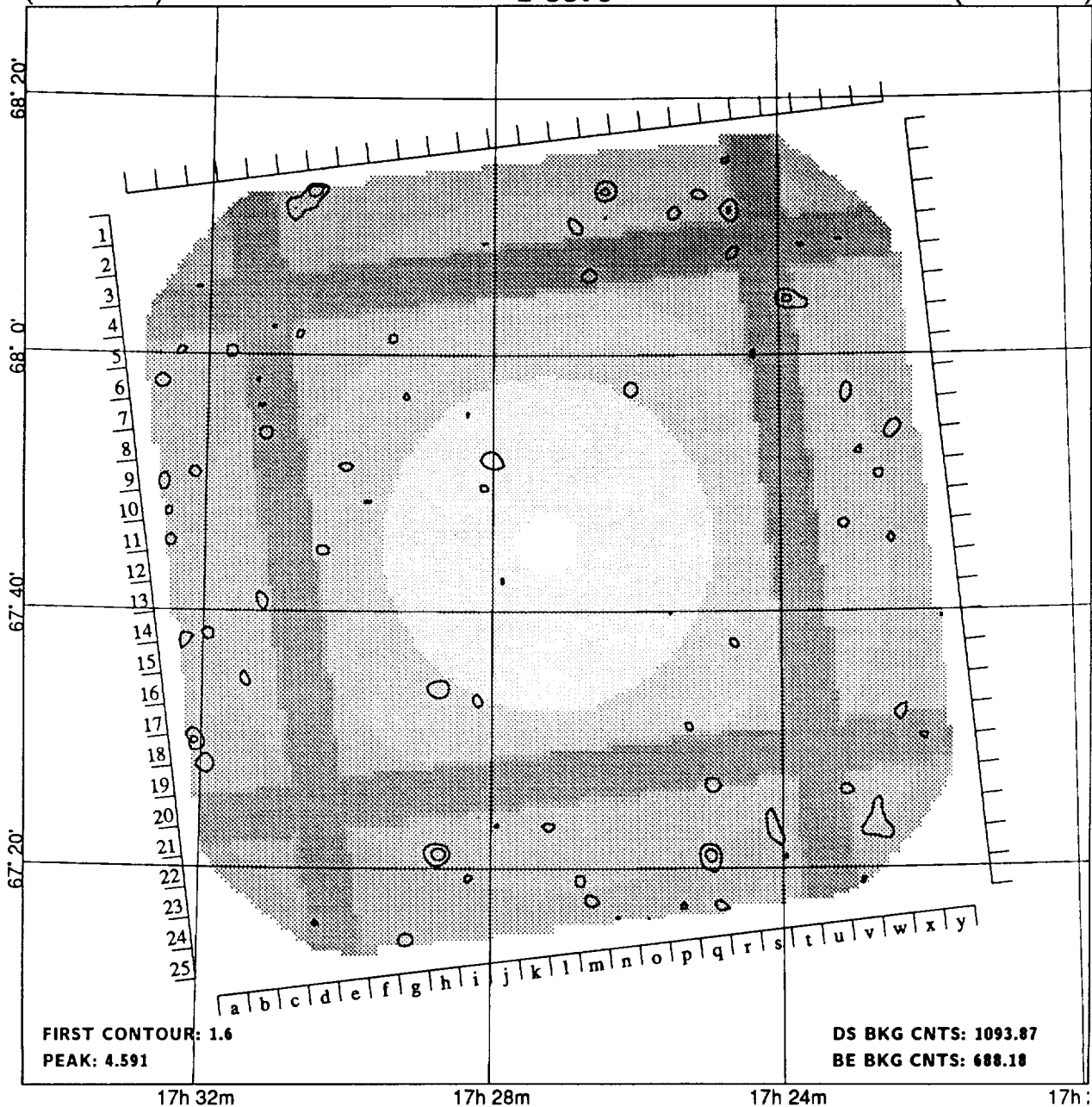
NH: 2.7E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3909	1	17 27 04.5	50 15 45	31	0.389	0.017	549.8	5.2	23.3	1.4	0	3.9	AH	BL

(17h 27m)

I 8879

(17h 27m)



FIELD CENTER: 17^h27^m07.1^s 67°45'15" (B1950)
17^h26^m59.4^s 67°42'52" (J2000)
ℓ: 98.01 b: 32.92

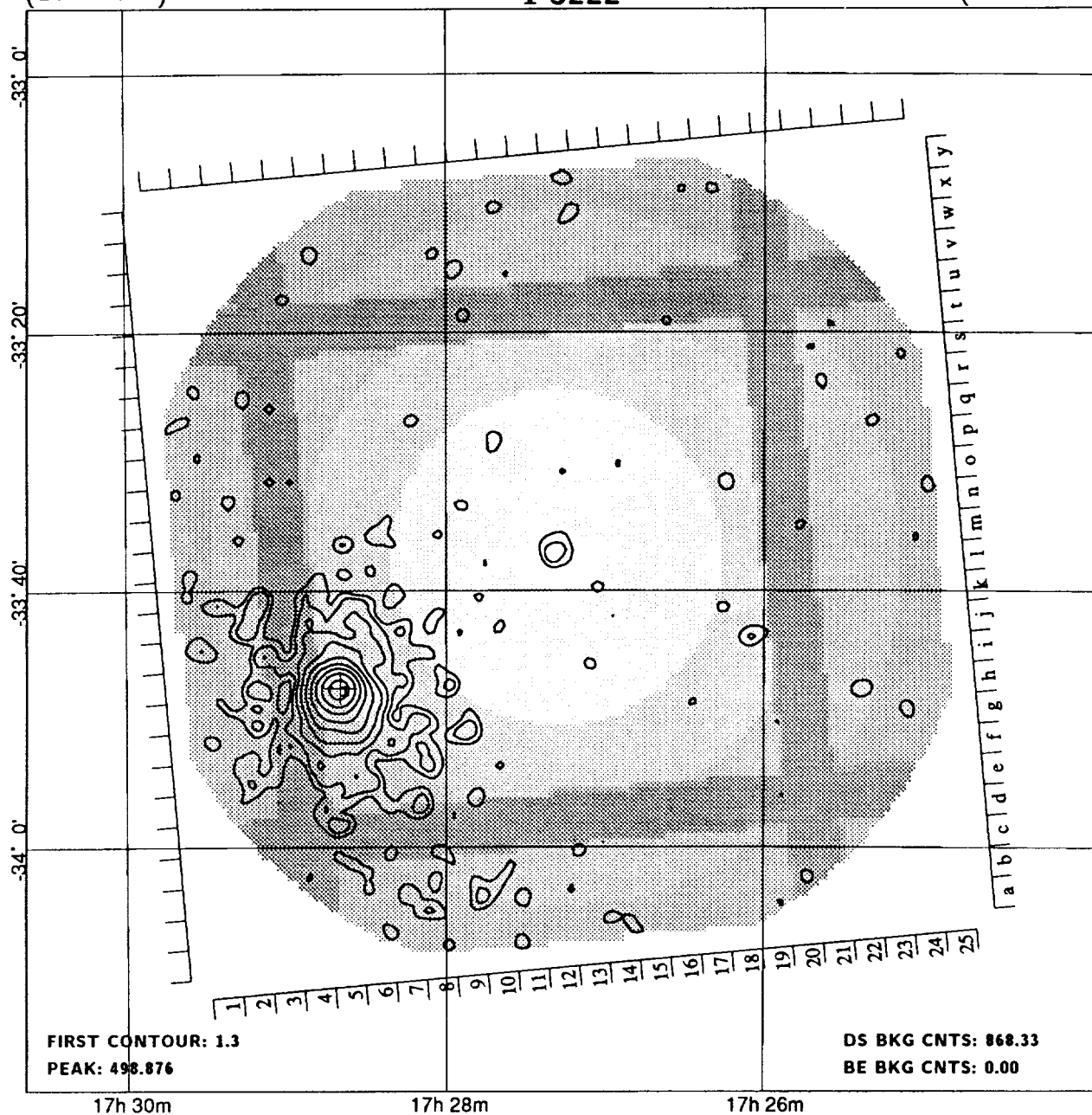
DATE: 1980/148 - 1980/148
LIVETIME: 886.4s
ROLL ANGLE: -6.7°

NH: 4.2E+20
REF/ID:
FIELD FLAGS:

(17h 27m)

I 3222

(17h 27m)



FIELD CENTER: $17^h 27^m 15.4^s$ $-33^\circ 36' 58''$ (B1950)
 $17^h 30^m 33.2^s$ $-33^\circ 39' 14''$ (J2000)
 $l: 354.29$ $b: 0.19$

DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 703.6s
 ROLL ANGLE: -95.2°

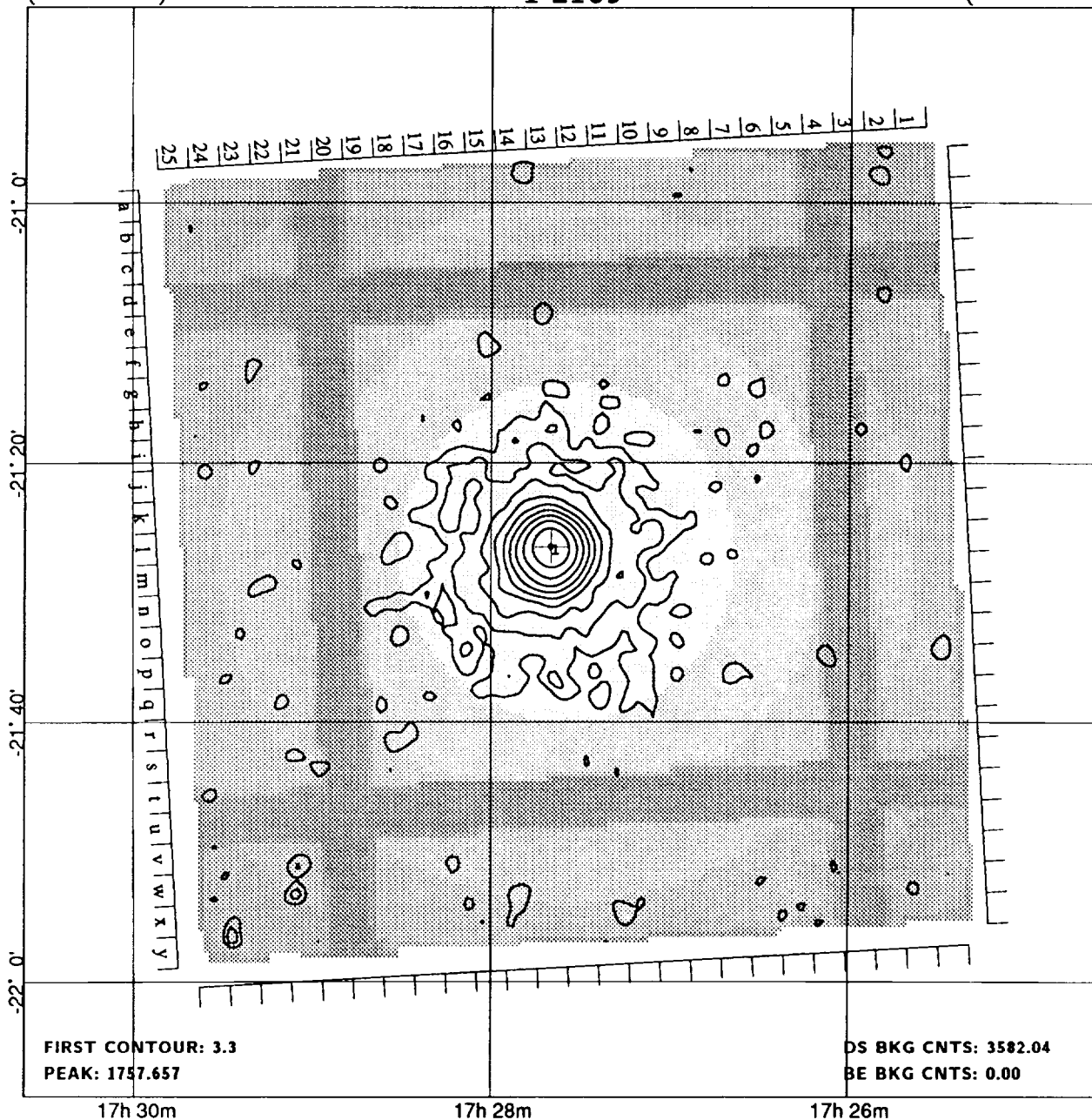
NH: $1.2E+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3916	1L	17 28 39.9	-33 47 40	47	3.39	0.12	1224.5	112.5	29.0	1.5	500	20.6		GLB

(17h 27m)

I 2169

(17h 27m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G4.5+6.8=KEPLER

FIELD CENTER: $17^{\text{h}}27^{\text{m}}35.8^{\text{s}}$ $-21^{\circ}26'59''$ (B1950)
 $17^{\text{h}}30^{\text{m}}35.6^{\text{s}}$ $-21^{\circ}29'14''$ (J2000)
 $l: 4.51$ $b: 6.84$

DATE: 1979/263 - 1979/263
 LIVETIME: 2902.6s
 ROLL ANGLE: 86.9°

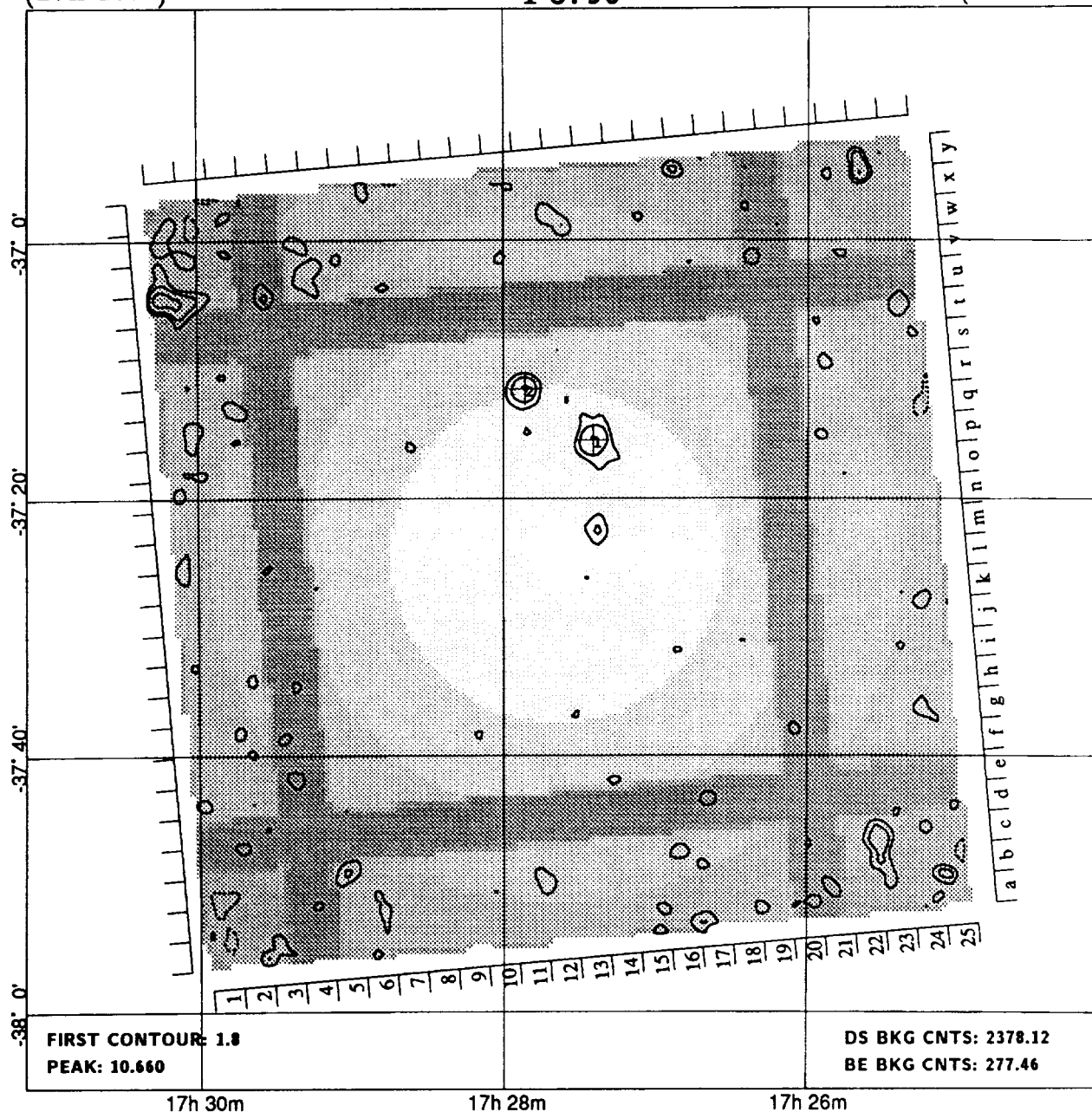
NH: $2.4\text{E}+21$
 REF/ID: SNR
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3911	1L	17 27 39.8	-21 26 28	31	2.681	0.050	5770.8	2601.2	53.1	2.0	0	1.1		SNR

(17h 27m)

I 3796

(17h 27m)



NEW SOFT X-RAY SOURCE IN SCO NEAR LAMBDA SCO

FIELD CENTER: $17^{\text{h}}27^{\text{m}}35.9^{\text{s}}$ $-37^{\circ}23'59''$ (B1950)
 $17^{\text{h}}31^{\text{m}}00.3^{\text{s}}$ $-37^{\circ}26'13''$ (J2000)
 $l: 351.18$ $b: -1.96$

DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 1927.1s
 ROLL ANGLE: -94.9°

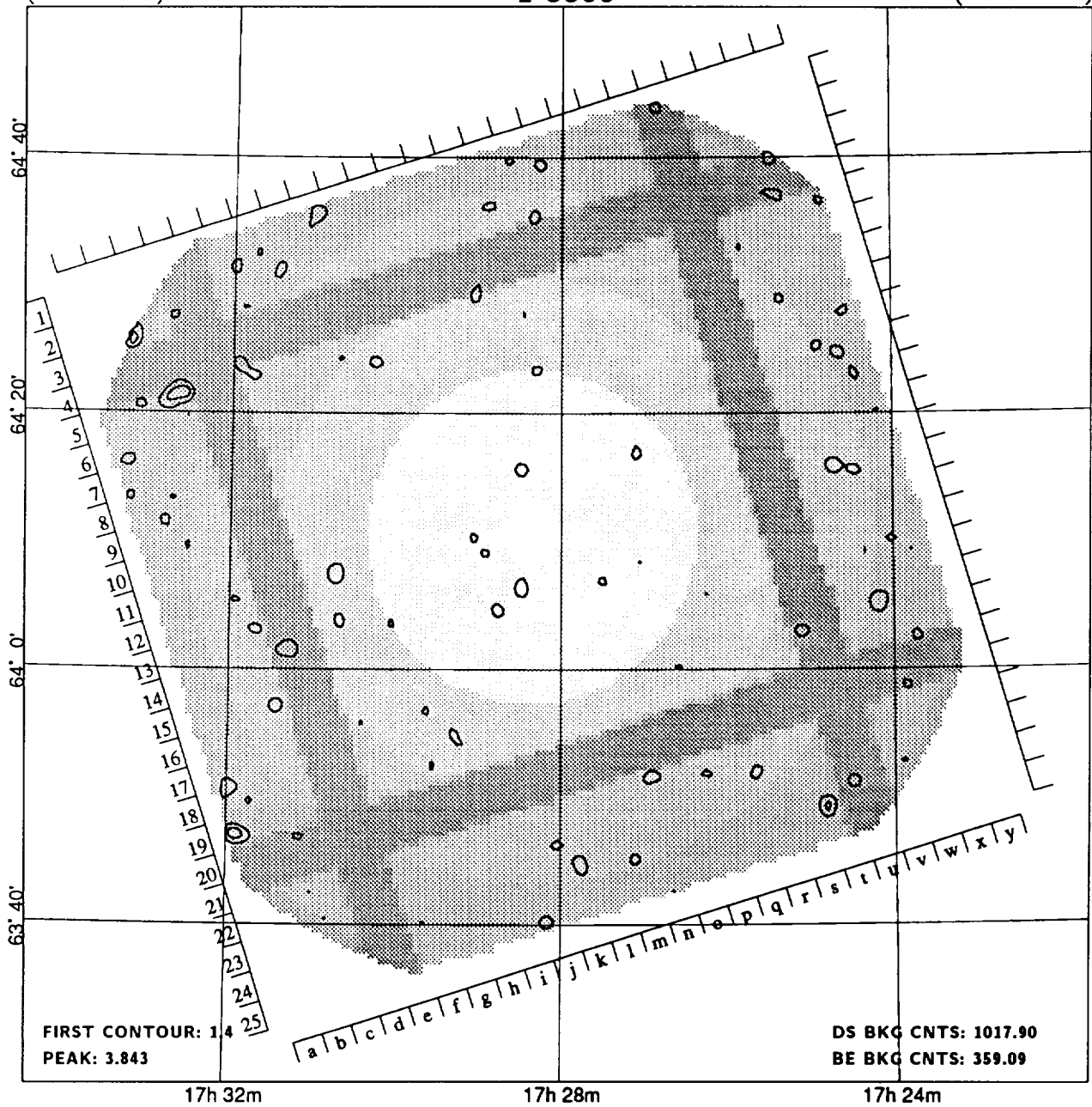
NH: $7.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3910	1	17 27 24.7	-37 15 29	42	0.0211	0.0044	27.4	5.6	4.8	1.1	0	9.0	H	
3913	2	17 27 51.5	-37 11 28	42	0.0181	0.0044	21.6	5.4	4.2	0.8	0	13.0	H	

(17h 28m)

I 8860

(17h 28m)



GSFC NEP SURVEY - FIELD # 127 -1 6

FIELD CENTER: $17^{\text{h}}28^{\text{m}}03.5^{\text{s}}$ $64^{\circ}09'44''$ (B1950)
 $17^{\text{h}}28^{\text{m}}20.8^{\text{s}}$ $64^{\circ}07'26''$ (J2000)
 ℓ : 93.73 b : 33.23

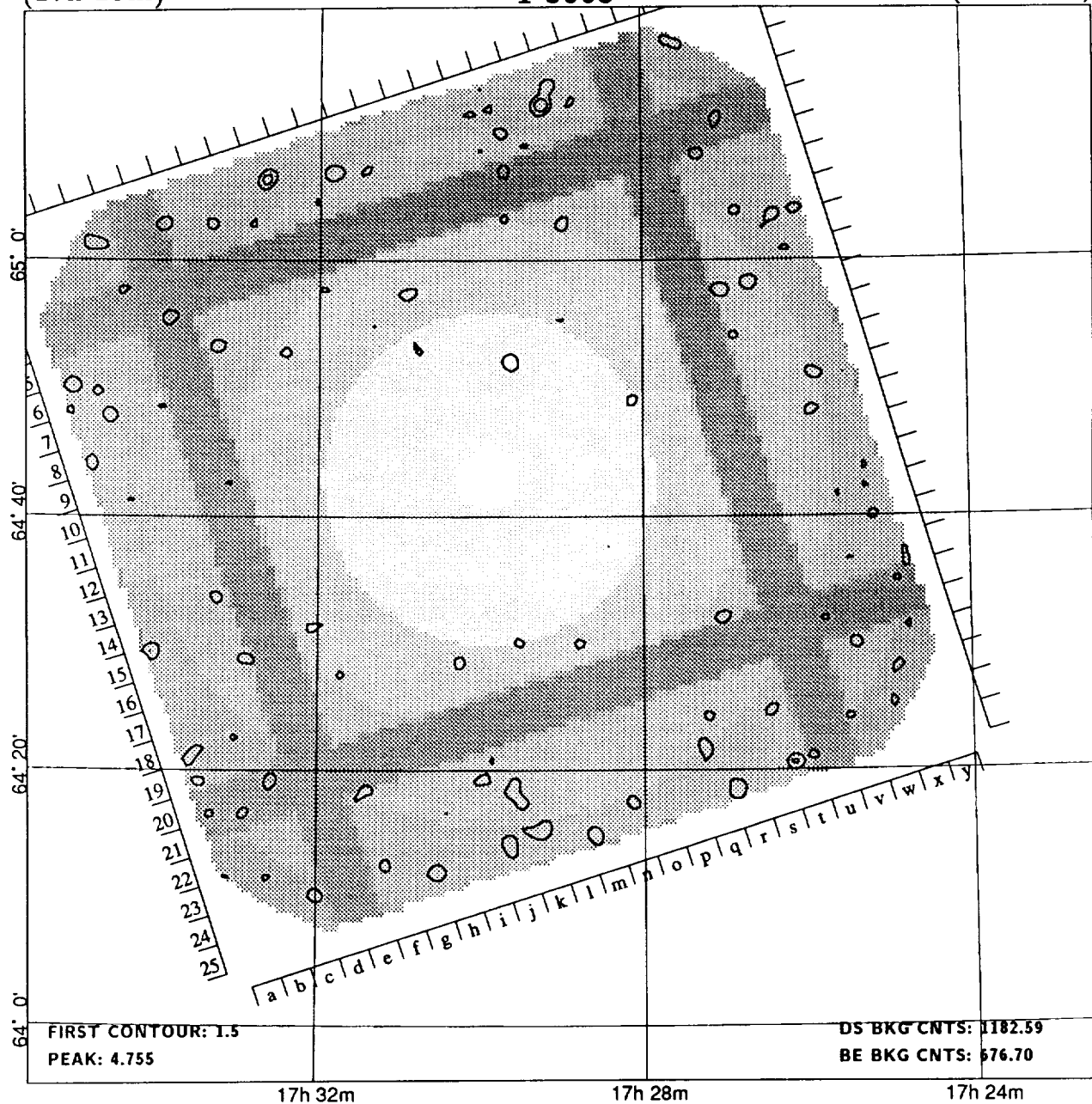
DATE: 1980/149 - 1980/149
 LIVETIME: 824.8s
 ROLL ANGLE: -17.3°

NH: $2.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 29m)

I 8663

(17h 29m)

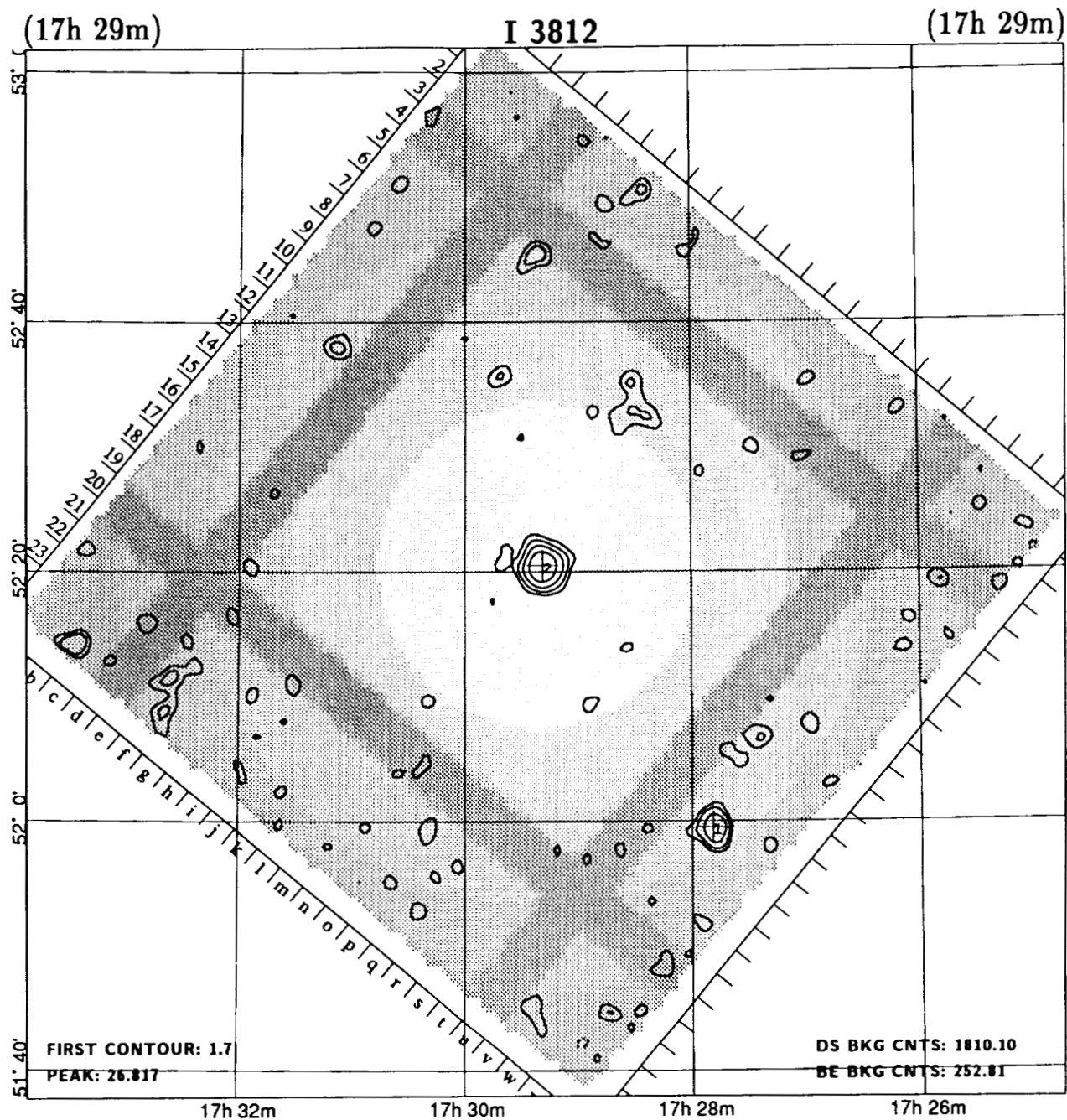


GSFC NEP SURVEY - FIELD # 169 -1 -7

FIELD CENTER: $17^h 29^m 01.6^s$ $64^\circ 37' 50''$ (B1950)
 $17^h 29^m 15.9^s$ $64^\circ 35' 36''$ (J2000)
 $l: 94.28$ $b: 33.08$

DATE: 1980/149 - 1980/149
 LIVETIME: 958.3s
 ROLL ANGLE: -17.6°

NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: 17^h29^m17.8^s 52°19'59" (B1950)
17^h30^m25.9^s 52°17'48" (J2000)
ℓ: 79.57 b: 33.31

DATE: 1979/206 - 1979/206
LIVETIME: 1466.8s
ROLL ANGLE: 39.8°

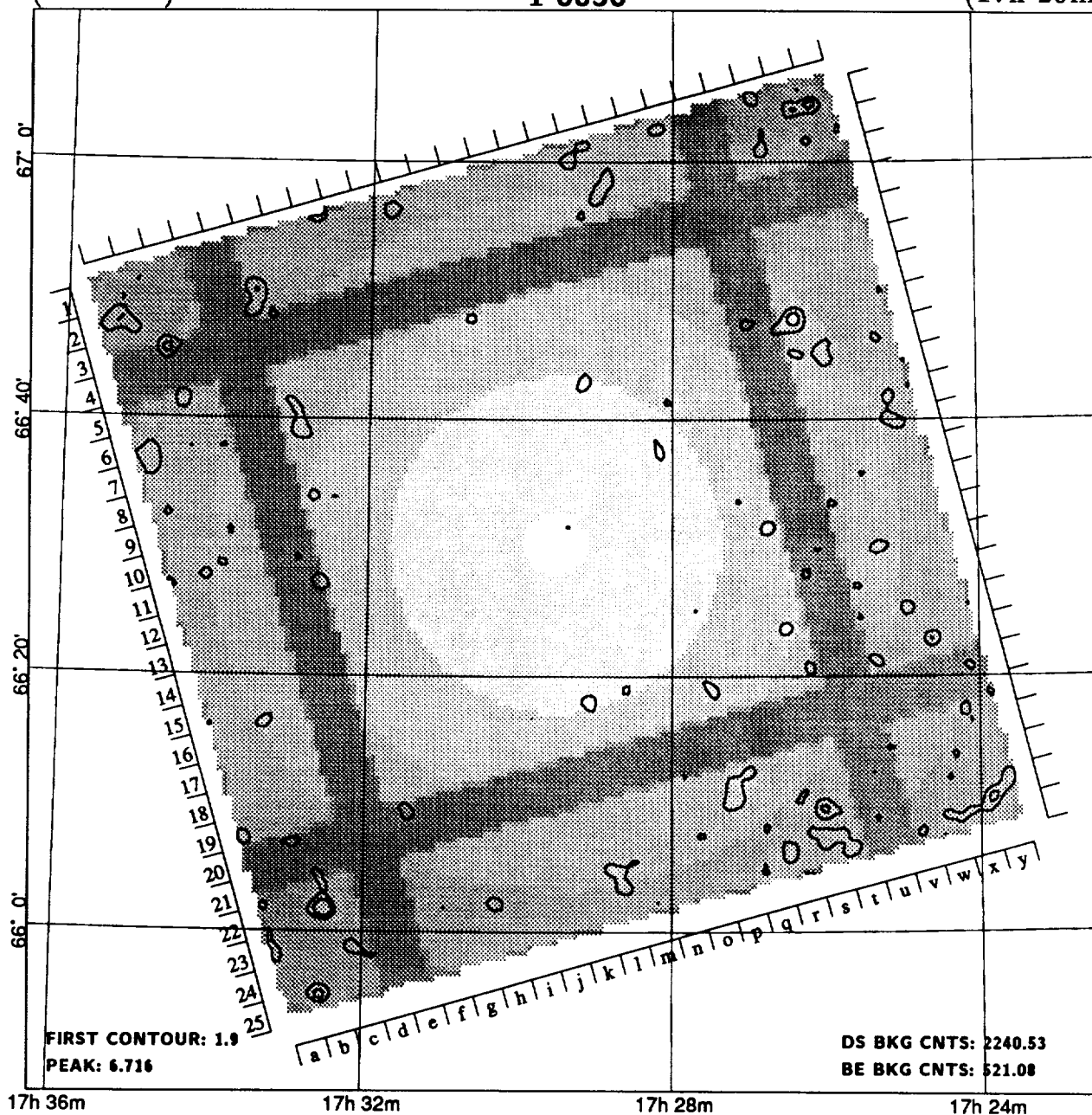
NH: 3.2E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3912	1	17 27 49.0	51 59 32	51	0.0471	0.0092	29.5	3.5	5.1	1.0	0	24.6	H	
3918	2	17 29 18.7	52 20 31	31	0.108	0.010	118.0	5.0	10.6	1.2	0	0.7	H	S

(17h 29m)

I 8838

(17h 29m)



GSFC NEP SURVEY - FIELD # 105 -2 -5

FIELD CENTER: 17^h29^m23.9^s 66°29'48" (B1950)
 17^h29^m25.6^s 66°27'35" (J2000)
 ℓ : 96.49 b : 32.86

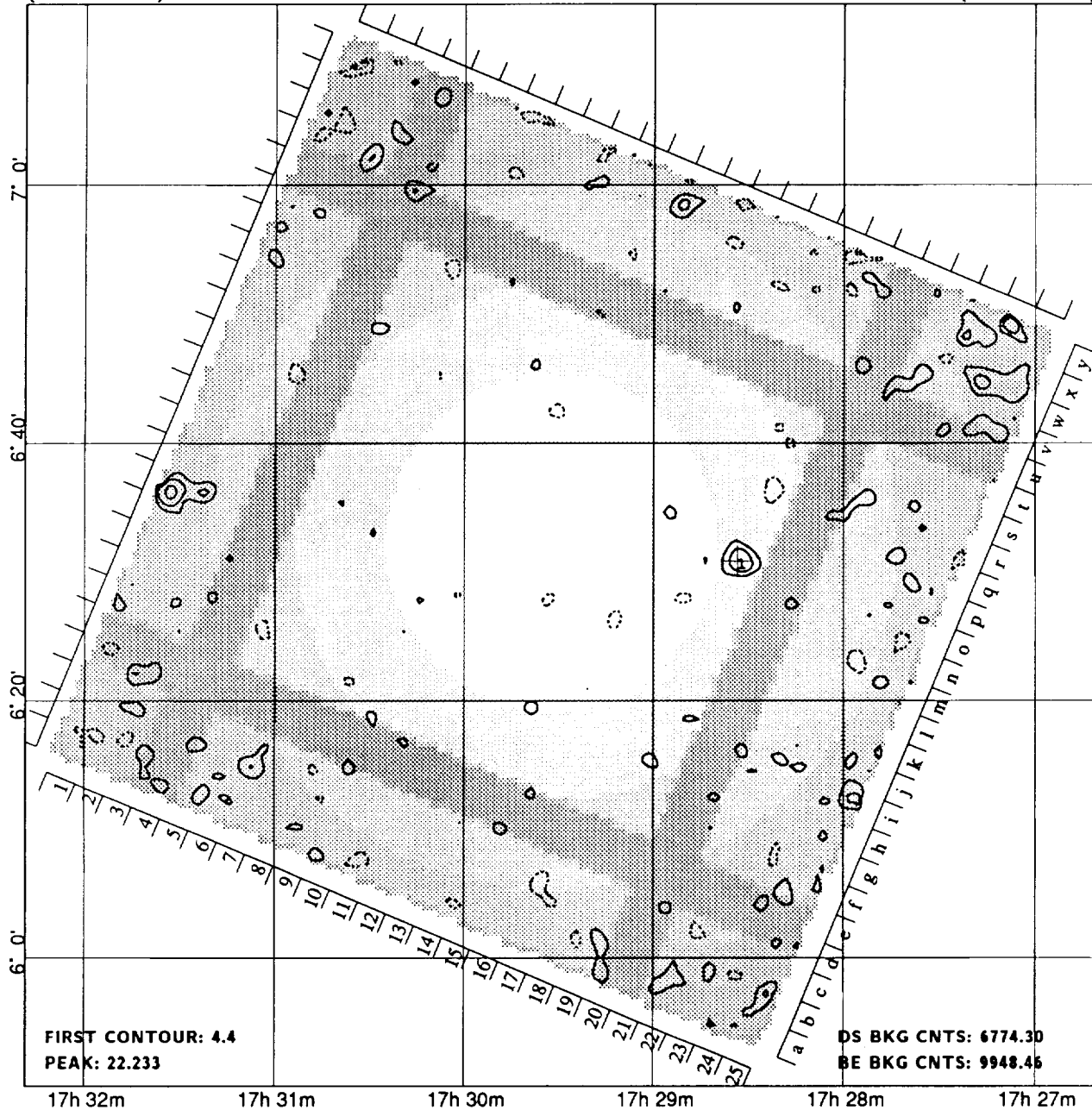
DATE: 1980/147 - 1980/147
 LIVETIME: 1815.6s
 ROLL ANGLE: -15.6°

NH: 3.9E+20
 REF/ID:
 FIELD FLAGS:

(17h 29m)

I 10611

(17h 29m)



POOR GROUP 176

FIELD CENTER: $17^h 29^m 29.8^s$ $06^\circ 31' 59''$ (B1950)
 $17^h 31^m 56.0^s$ $06^\circ 29' 52''$ (J2000)
 $l: 29.67$ $b: 20.62$

DATE: 1981/ 98 - 1981/ 98
 LIVETIME: 5489.4s
 ROLL ANGLE: -67.4°

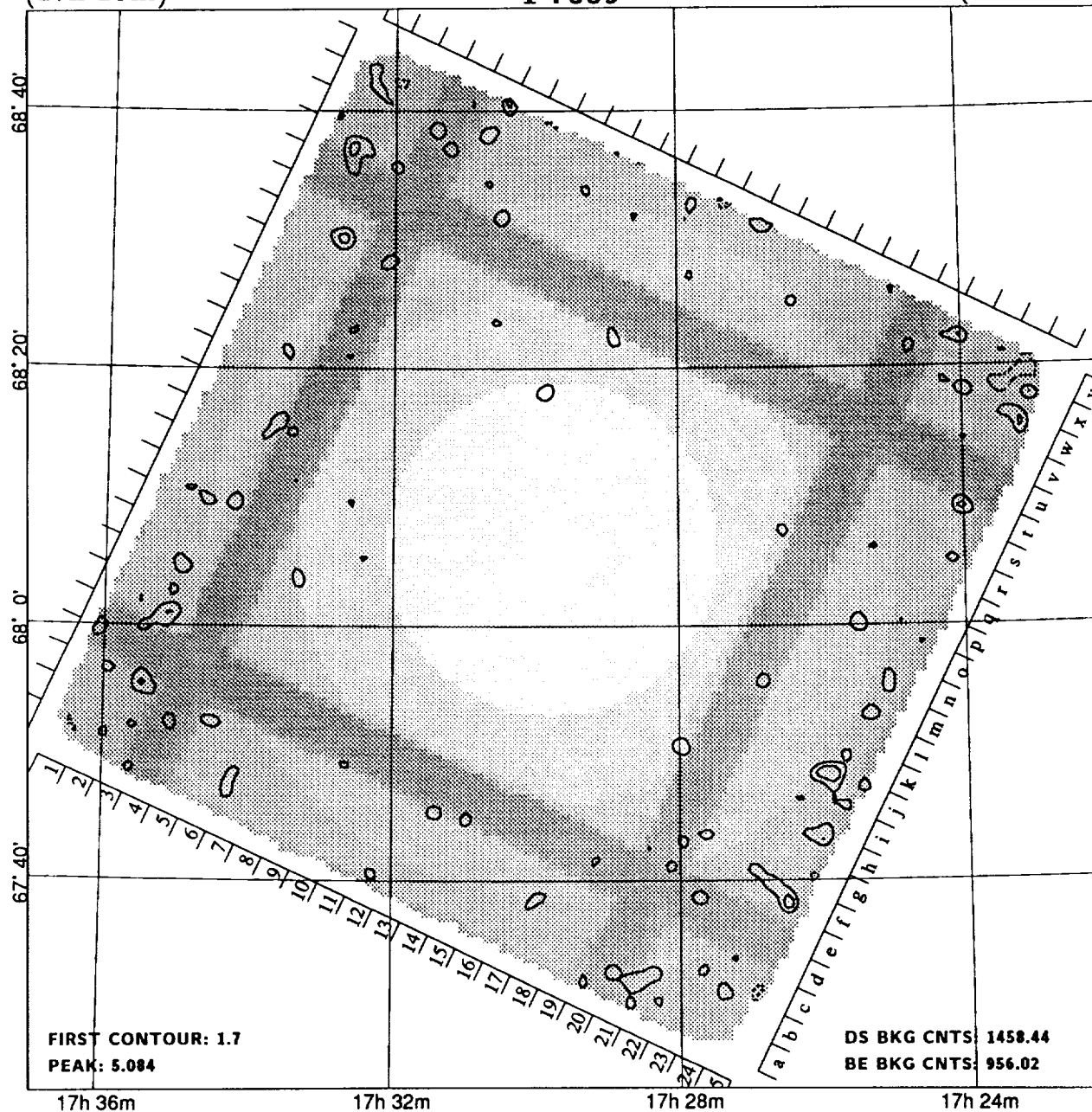
NH: $6.6E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3915	1L	17 28 33.4	06 30 48	42	0.0160	0.0034	52.3	32.7	4.6	0.8	100	14.1		

(17h 29m)

I 7889

(17h 29m)



H 1731+685, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: $17^{\text{h}}29^{\text{m}}35.8^{\text{s}}$ $68^{\circ}05'59''$ (B1950)
 $17^{\text{h}}29^{\text{m}}25.0^{\text{s}}$ $68^{\circ}03'46''$ (J2000)
 l : 98.38 b : 32.65

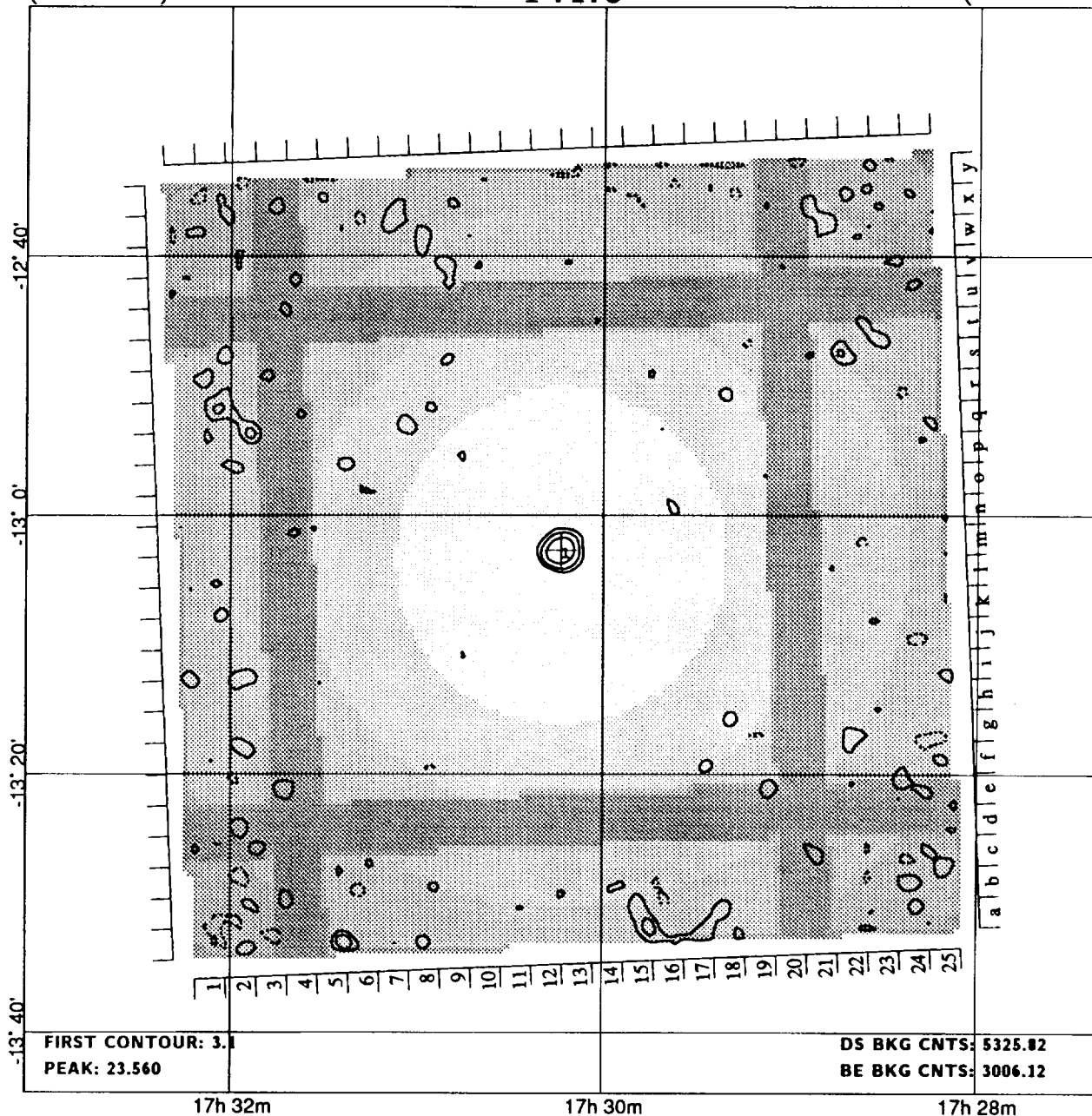
DATE: 1980/ 99 - 1980/ 99
 LIVETIME: 1224.3s
 ROLL ANGLE: -64.7°

NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 30m)

I 7173

(17h 30m)



NRAO 530, BURSTING RADIO SOURCE

FIELD CENTER: $17^{\text{h}}30^{\text{m}}13.1^{\text{s}}$ $-13^{\circ}02'45''$ (B1950)
 $17^{\text{h}}33^{\text{m}}02.3^{\text{s}}$ $-13^{\circ}04'49''$ (J2000)
 ℓ : 12.03 b : 10.81

DATE: 1981/ 76 - 1981/ 76
 LIVETIME: 4315.7s
 ROLL ANGLE: -92.4°

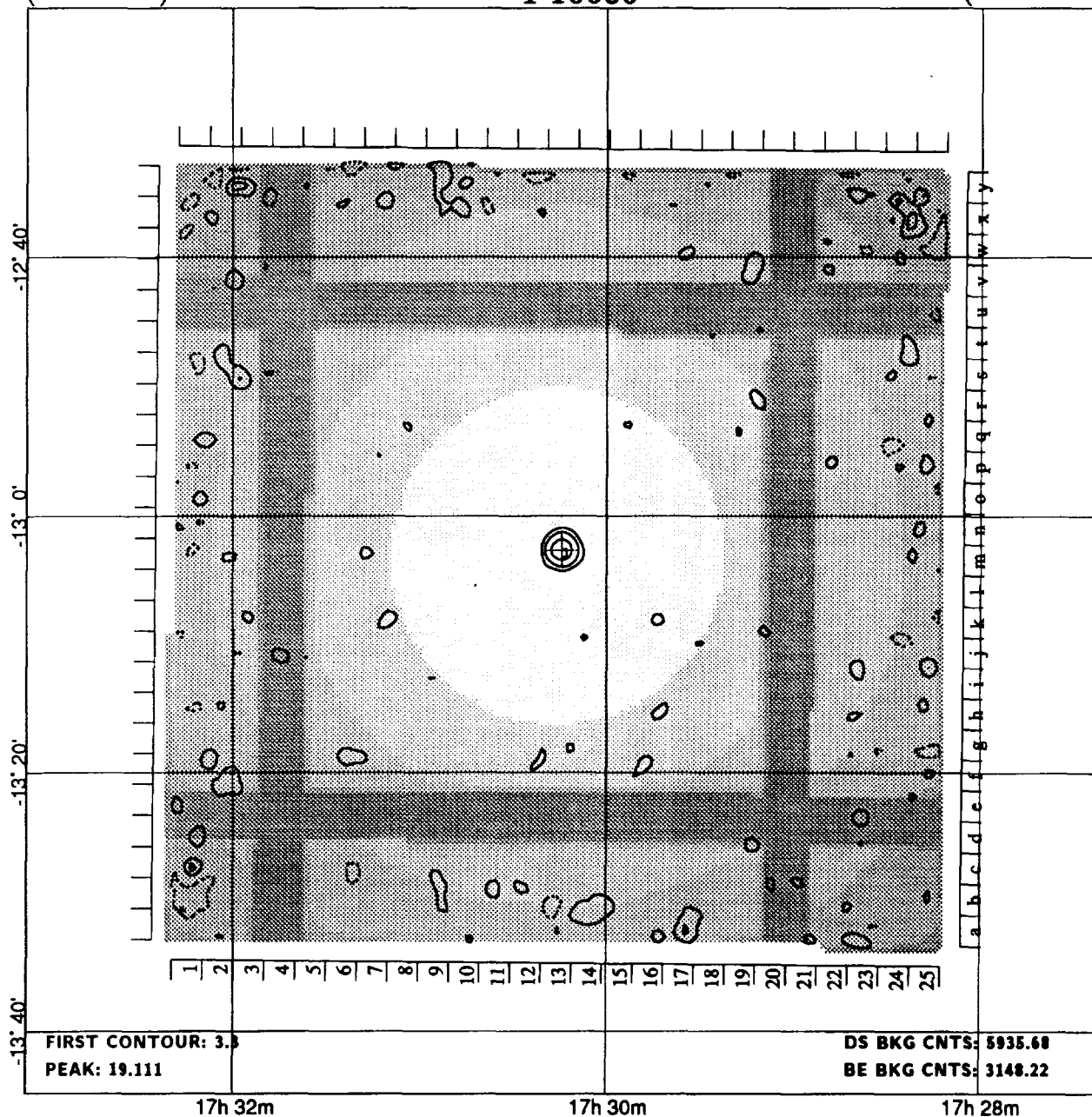
NH: $2.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3919	1L	17 30 13.6	-13 02 45	31	0.0317	0.0040	101.9	21.1	7.9	0.9	0	0.0	A	Q

(17h 30m)

I 10080

(17h 30m)



SUBSTITUTE TARGET NRAO 530, COMPACT EXTRAGALACTIC RADIO SOURCES

FIELD CENTER: $17^{\text{h}}30^{\text{m}}13.1^{\text{s}}$ $-13^{\circ}02'45''$ (B1950)
 $17^{\text{h}}33^{\text{m}}02.3^{\text{s}}$ $-13^{\circ}04'49''$ (J2000)
 $l: 12.03$ $b: 10.81$

DATE: 1981/ 91 - 1981/ 91
 LIVETIME: 4809.8s
 ROLL ANGLE: -89.5°

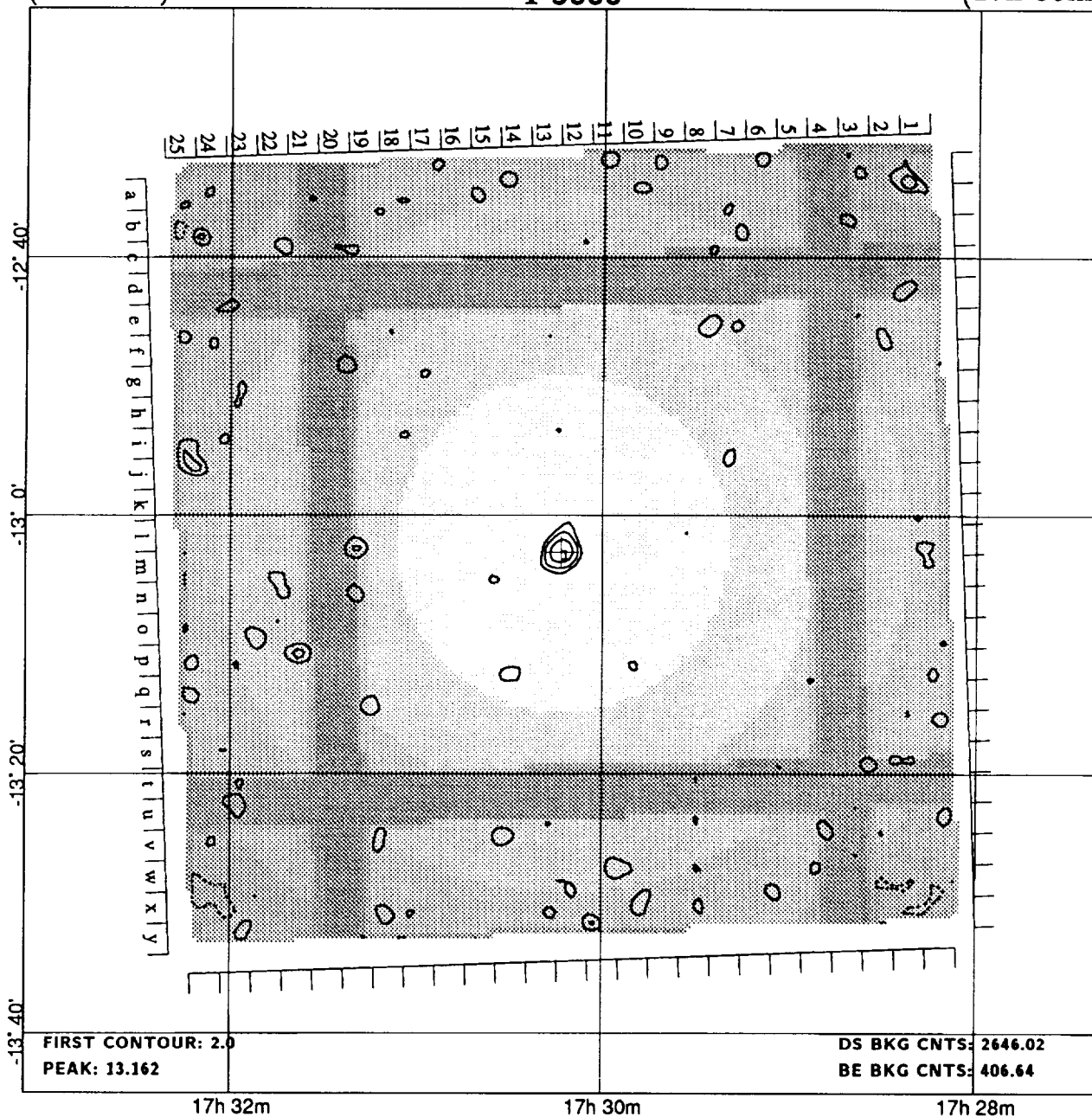
NH: $2.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3919	1L	17 30 14.5	-13 02 40	32	0.0230	0.0033	82.3	23.7	6.7	0.9	0	0.3	A	Q

(17h 30m)

I 3888

(17h 30m)



RADIO BURTING QSO NRAO 530

FIELD CENTER: $17^{\text{h}}30^{\text{m}}13.3^{\text{s}}$ $-13^{\circ}02'45''$ (B1950)
 $17^{\text{h}}33^{\text{m}}02.5^{\text{s}}$ $-13^{\circ}04'49''$ (J2000)
 ℓ : 12.03 b : 10.81

DATE: 1979/265 - 1979/265
 LIVETIME: 2144.1s
 ROLL ANGLE: 88.0°

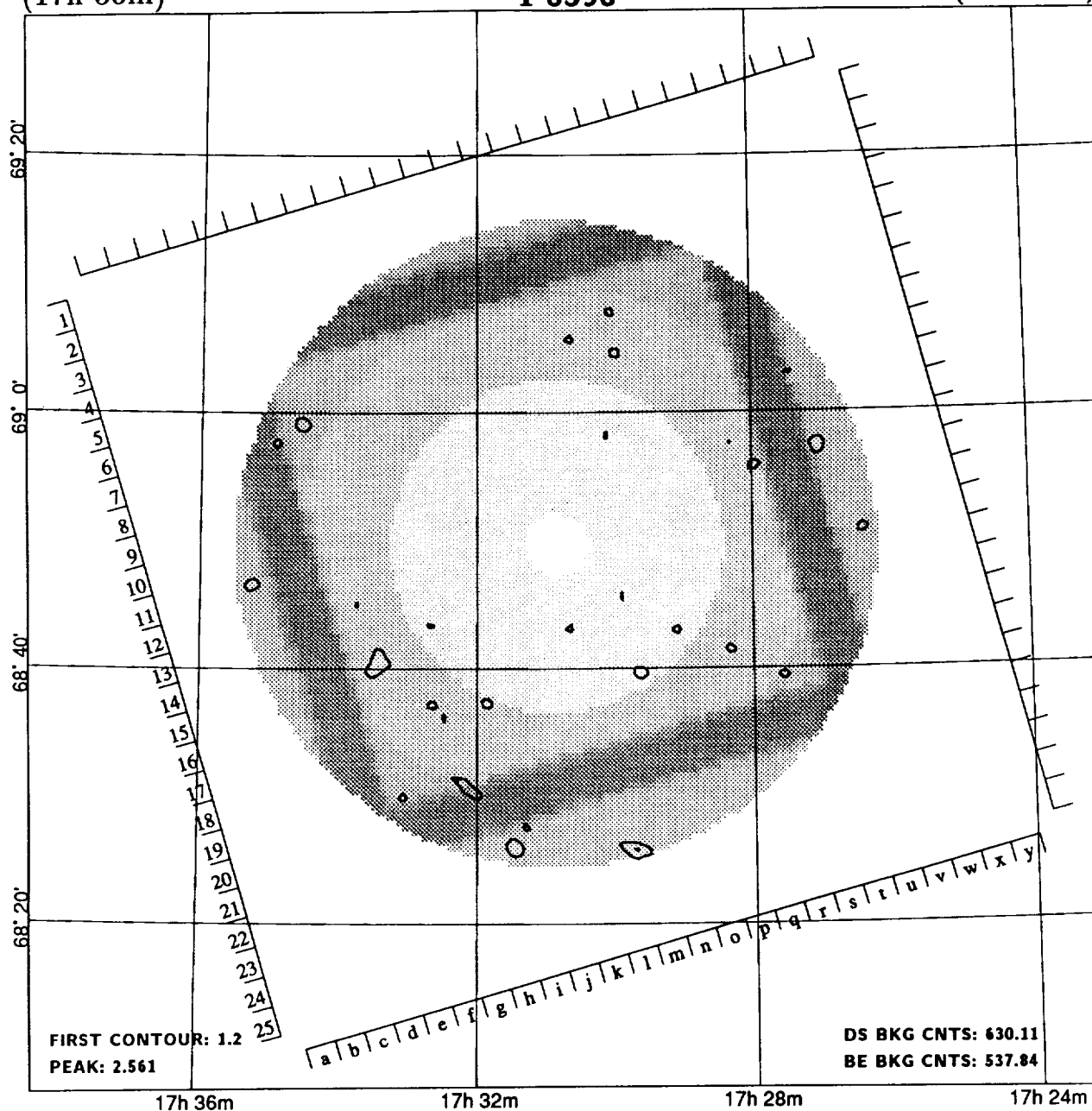
NH: $2.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3919	1	17 30 13.3	-13 02 52	35	0.0321	0.0048	51.2	7.8	6.7	0.9	0	0.2	AH	Q

(17h 30m)

I 8598

(17h 30m)

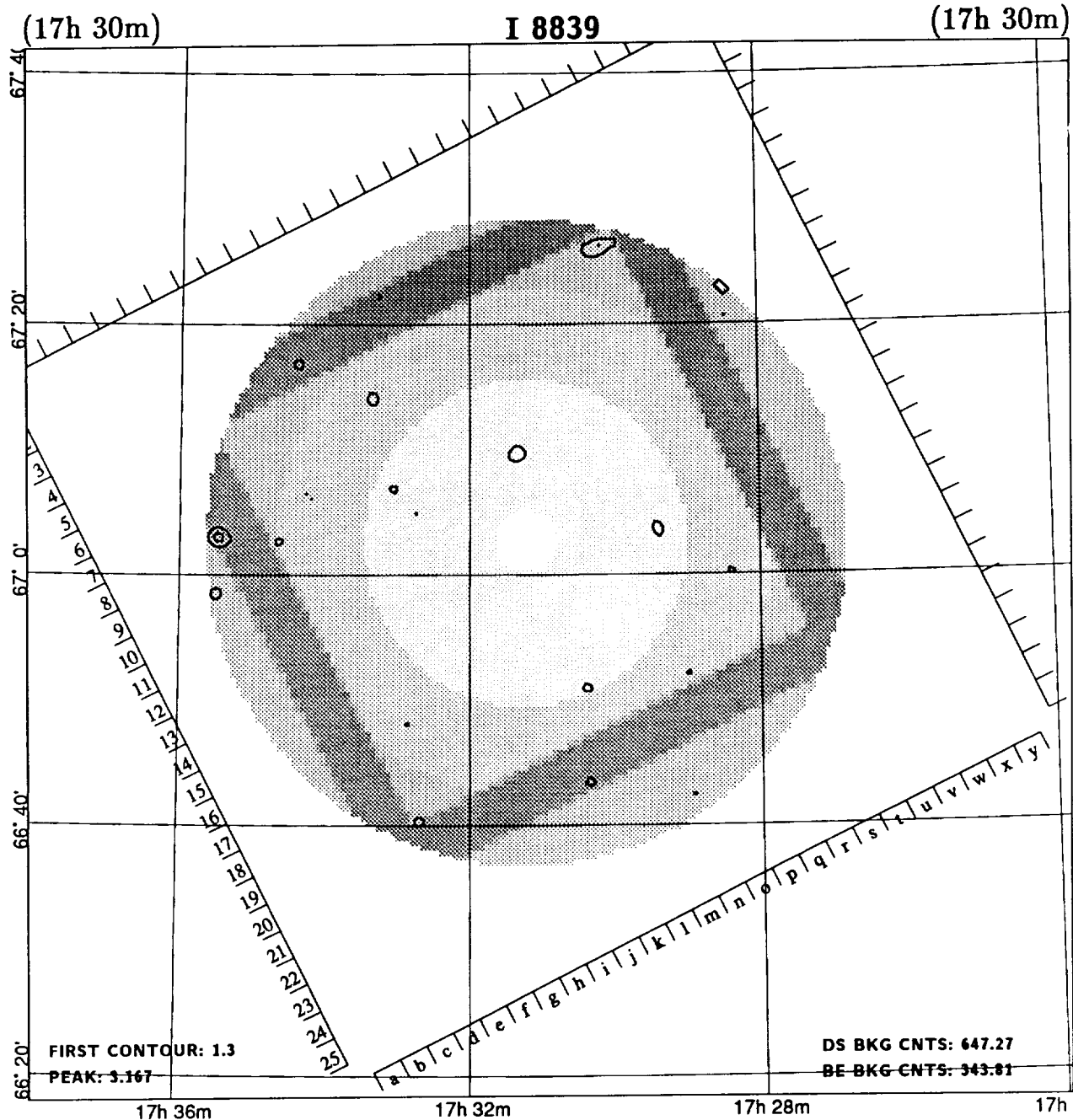


GSFC NEP SURVEY - FIELD # 104 -3 -5

FIELD CENTER: $17^h 30^m 45.0^s$ $68^\circ 49' 22''$ (B1950)
 $17^h 30^m 27.9^s$ $68^\circ 47' 14''$ (J2000)
 $l: 99.21$ $b: 32.45$

DATE: 1980/146 - 1980/146
 LIVETIME: 510.6s
 ROLL ANGLE: -15.9°

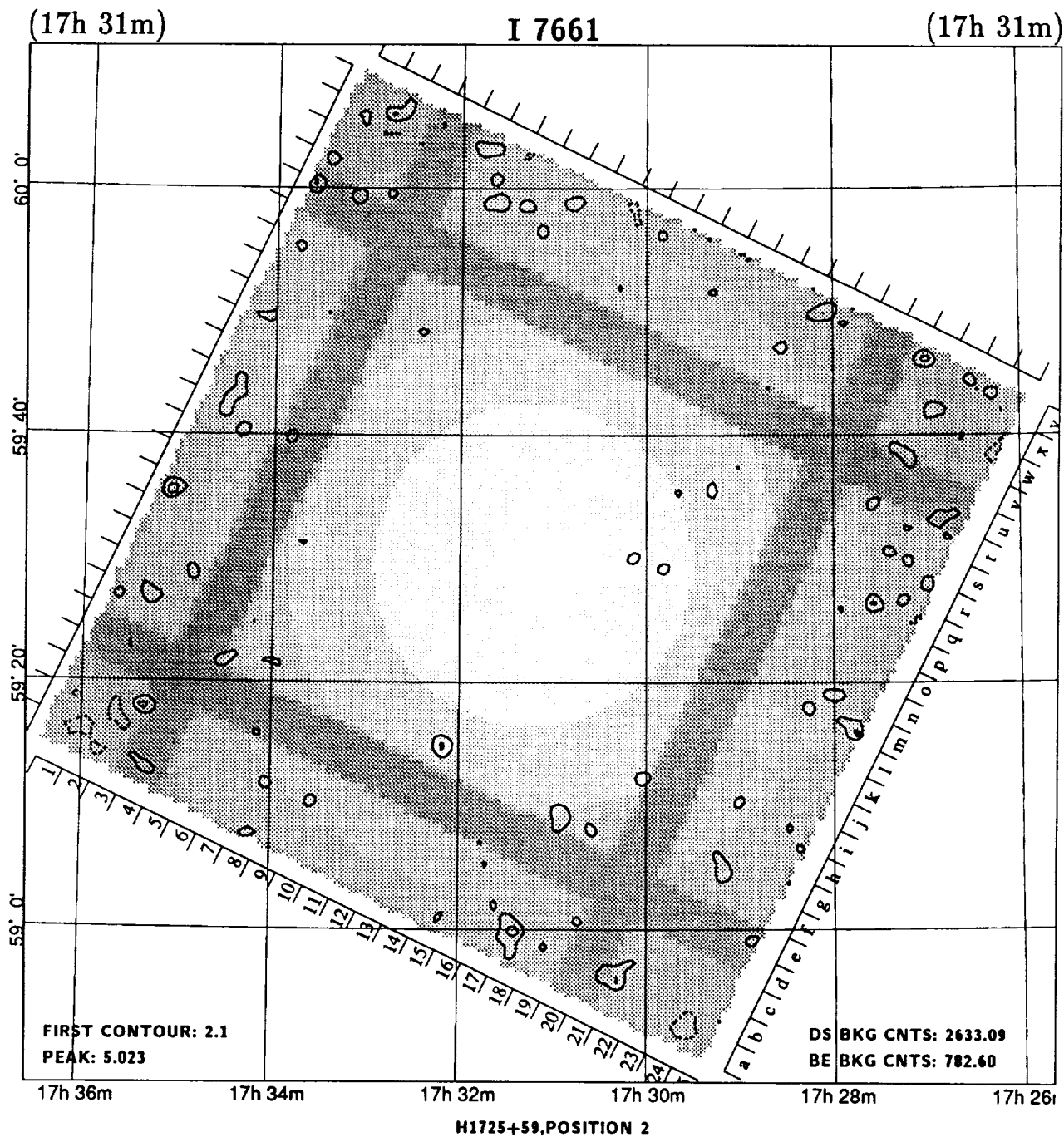
NH: $4.2E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $17^h 30^m 55.4^s$ $67^\circ 00' 24''$ (B1950)
 $17^h 30^m 53.1^s$ $66^\circ 58' 17''$ (J2000)
 $l: 97.07$ $b: 32.65$

DATE: 1980/147 - 1980/147
 LIVETIME: 524.5s
 ROLL ANGLE: -26.6°

NH: $4.2E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: 17^h31^m06.8^s 59°29'41" (B1950)
17^h31^m48.1^s 59°27'37" (J2000)
ℓ: 88.14 b: 33.14

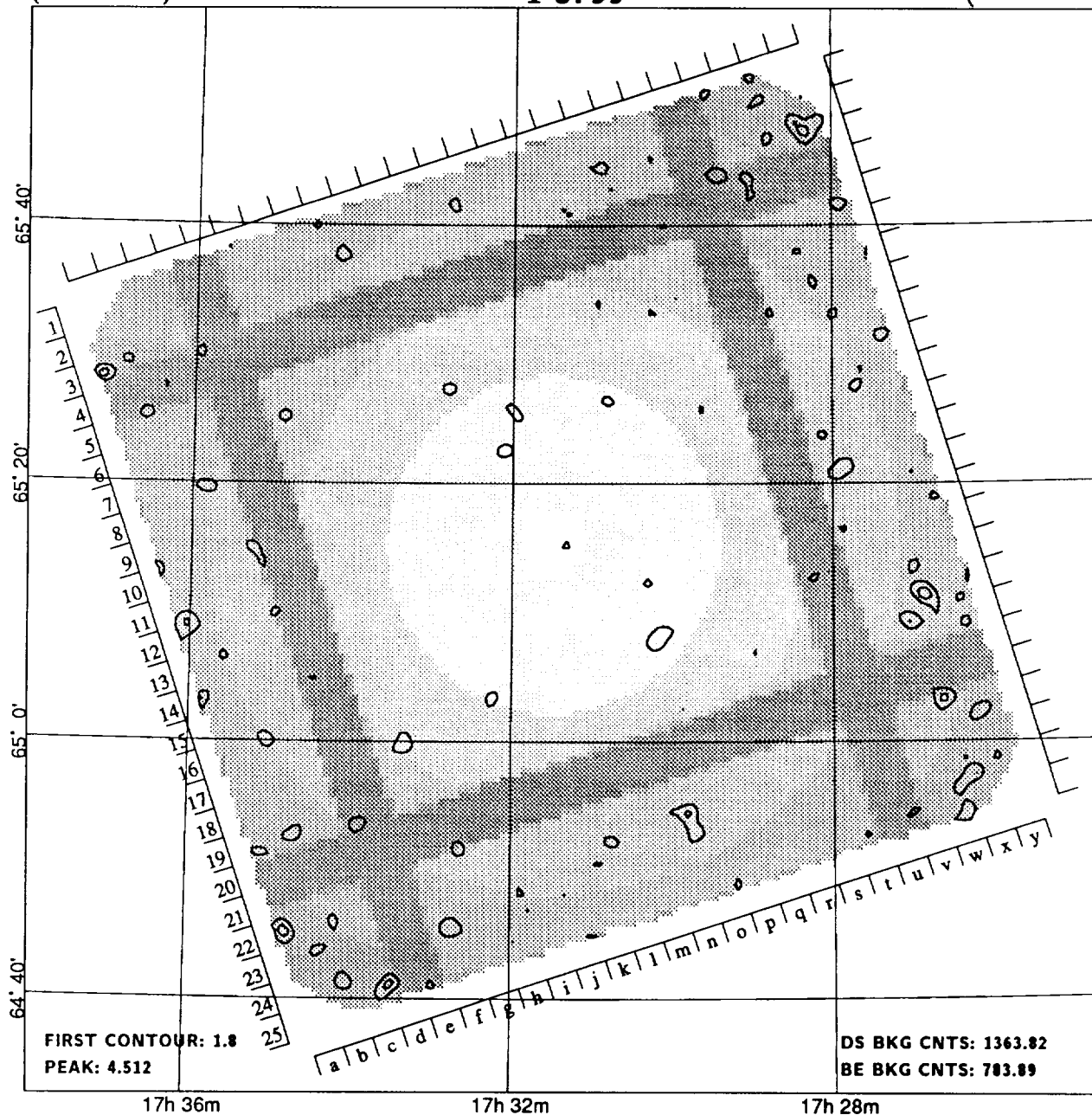
DATE: 1980/100 - 1980/100
LIVETIME: 2210.3s
ROLL ANGLE: -64.3°

NH: 3.6E+20
REF/ID:
FIELD FLAGS:

(17h 31m)

I 8799

(17h 31m)



FIELD CENTER: $17^h 31^m 21.5^s$ $65^\circ 14' 51''$ (B1950)
 $17^h 31^m 31.6^s$ $65^\circ 12' 47''$ (J2000)
 $l: 94.98$ $b: 32.78$

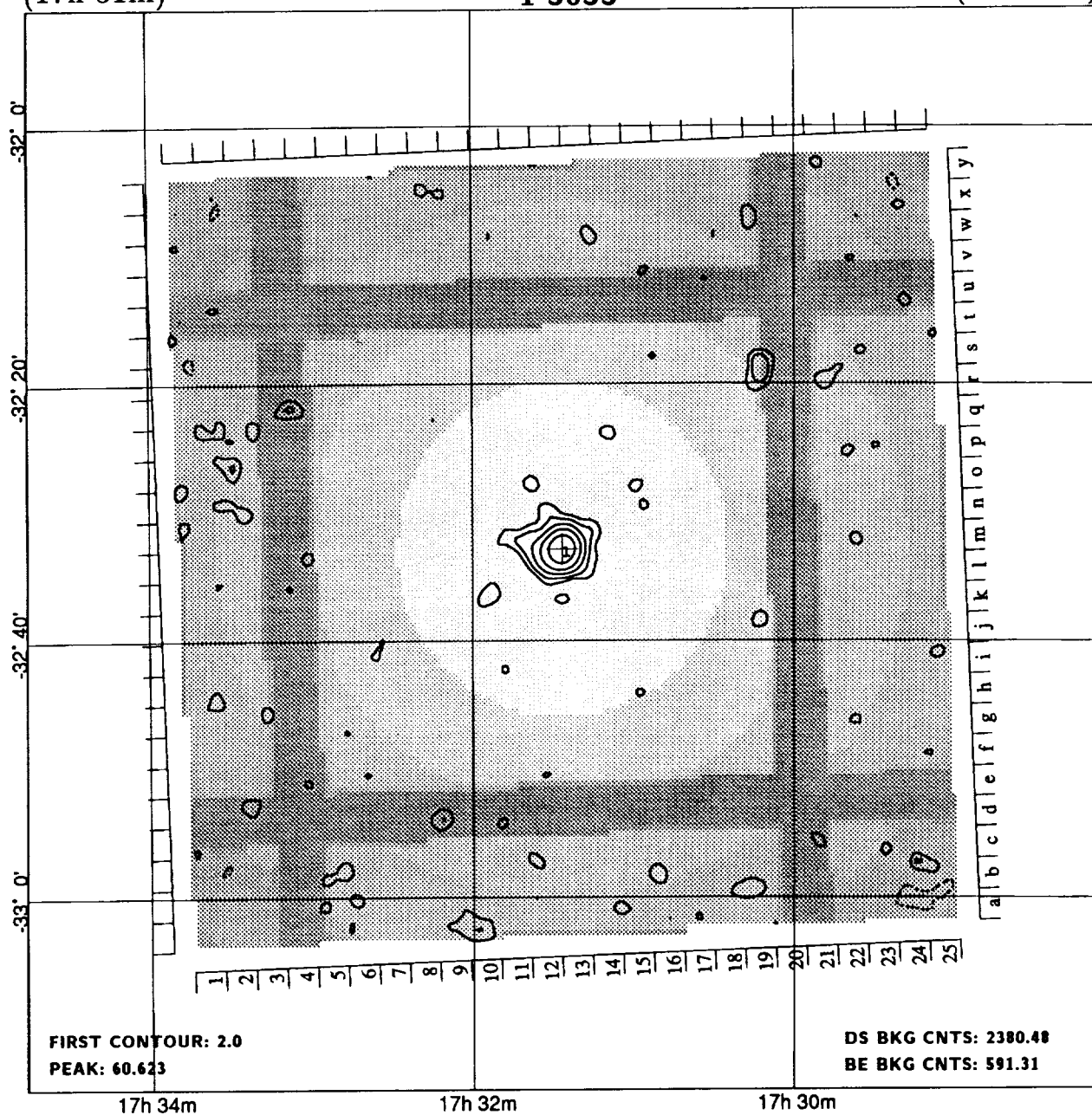
DATE: 1980/148 - 1980/148
 LIVETIME: 1105.1s
 ROLL ANGLE: -18.1°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

(17h 31m)

I 3053

(17h 31m)



COLLIDING STELLAR WINDS: HD 159176

FIELD CENTER: $17^h 31^m 25.9^s$ $-32^\circ 32' 59''$ (B1950)
 $17^h 34^m 42.1^s$ $-32^\circ 34' 57''$ (J2000)
 $l: 355.67$ $b: 0.05$

DATE: 1979/ 87 - 1979/ 88
 LIVETIME: 1929.0s
 ROLL ANGLE: -92.2°

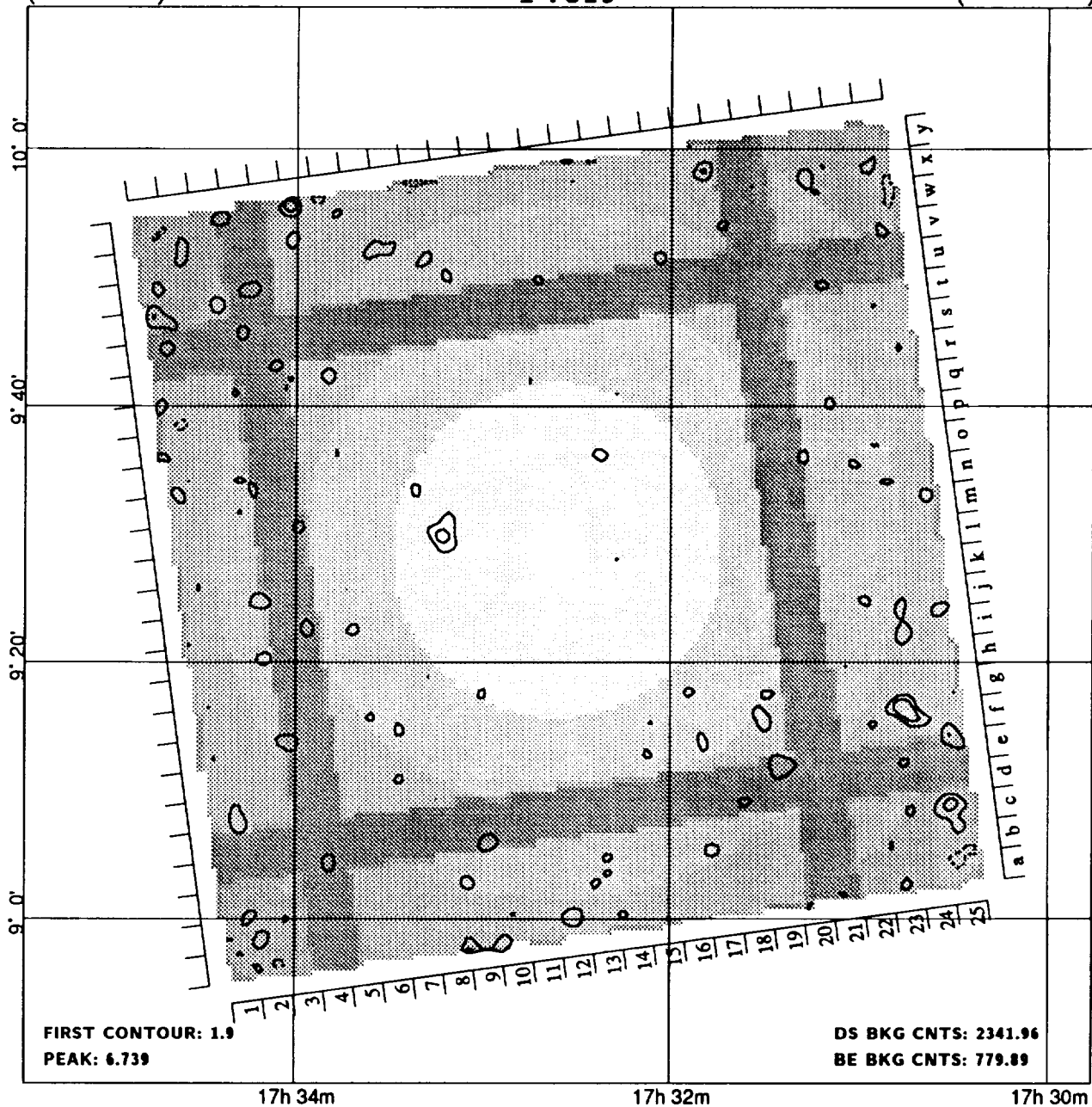
NH: $1.1E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3920	1	17 31 26.5	-32 32 50	31	0.177	0.011	254.4	7.6	15.7	1.3	0	0.2	AH	*

(17h 32m)

I 7519

(17h 32m)



PKS 1732+094, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: $17^{\text{h}}32^{\text{m}}36.1^{\text{s}}$ $09^{\circ}29'07''$ (B1950)
 $17^{\text{h}}34^{\text{m}}58.8^{\text{s}}$ $09^{\circ}27'13''$ (J2000)
 $l: 32.86$ $b: 21.25$

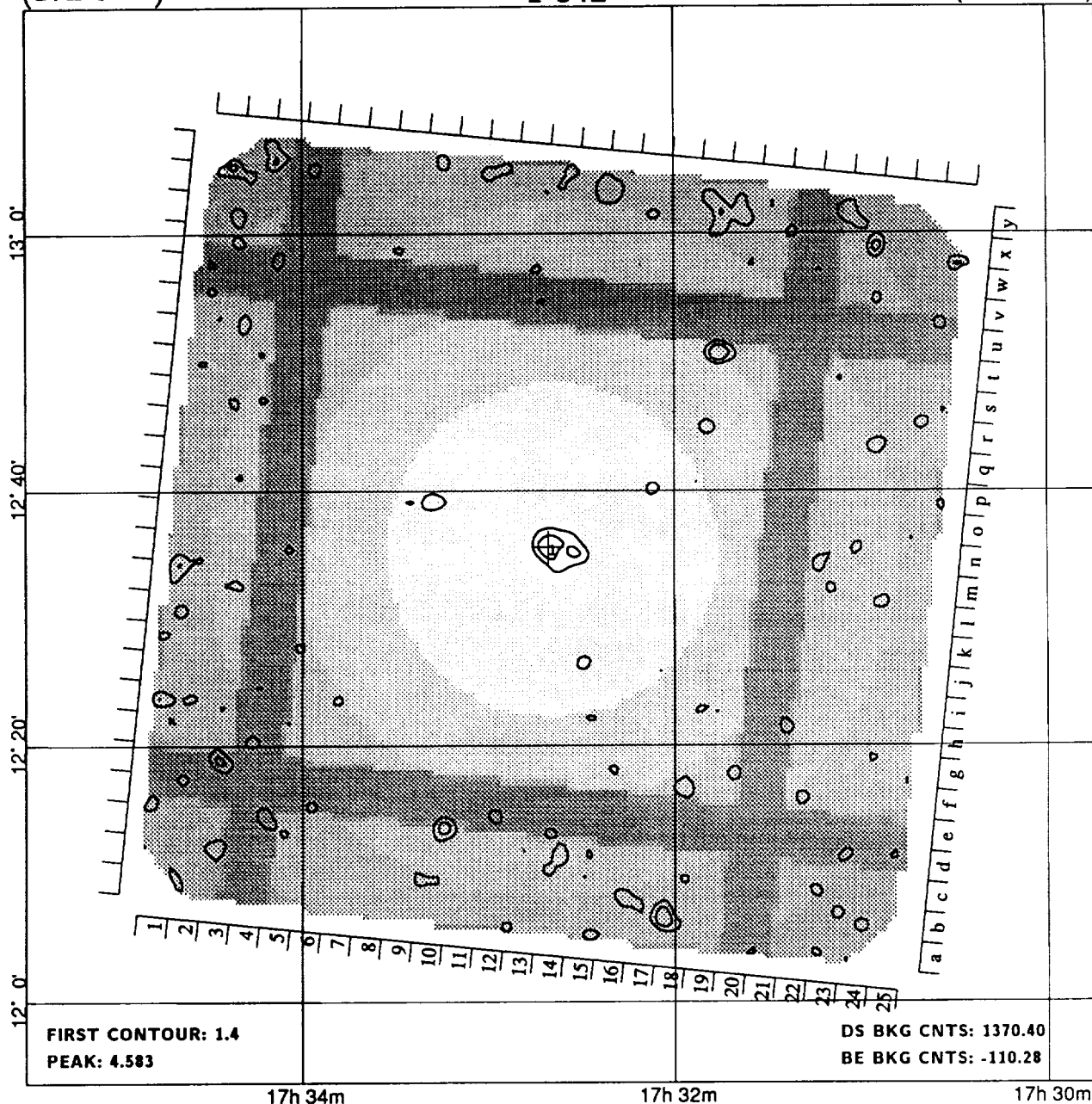
DATE: 1980/ 64 - 1980/ 64
 LIVETIME: 1897.8s
 ROLL ANGLE: -97.7°

NH: $8.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 32m)

I 842

(17h 32m)



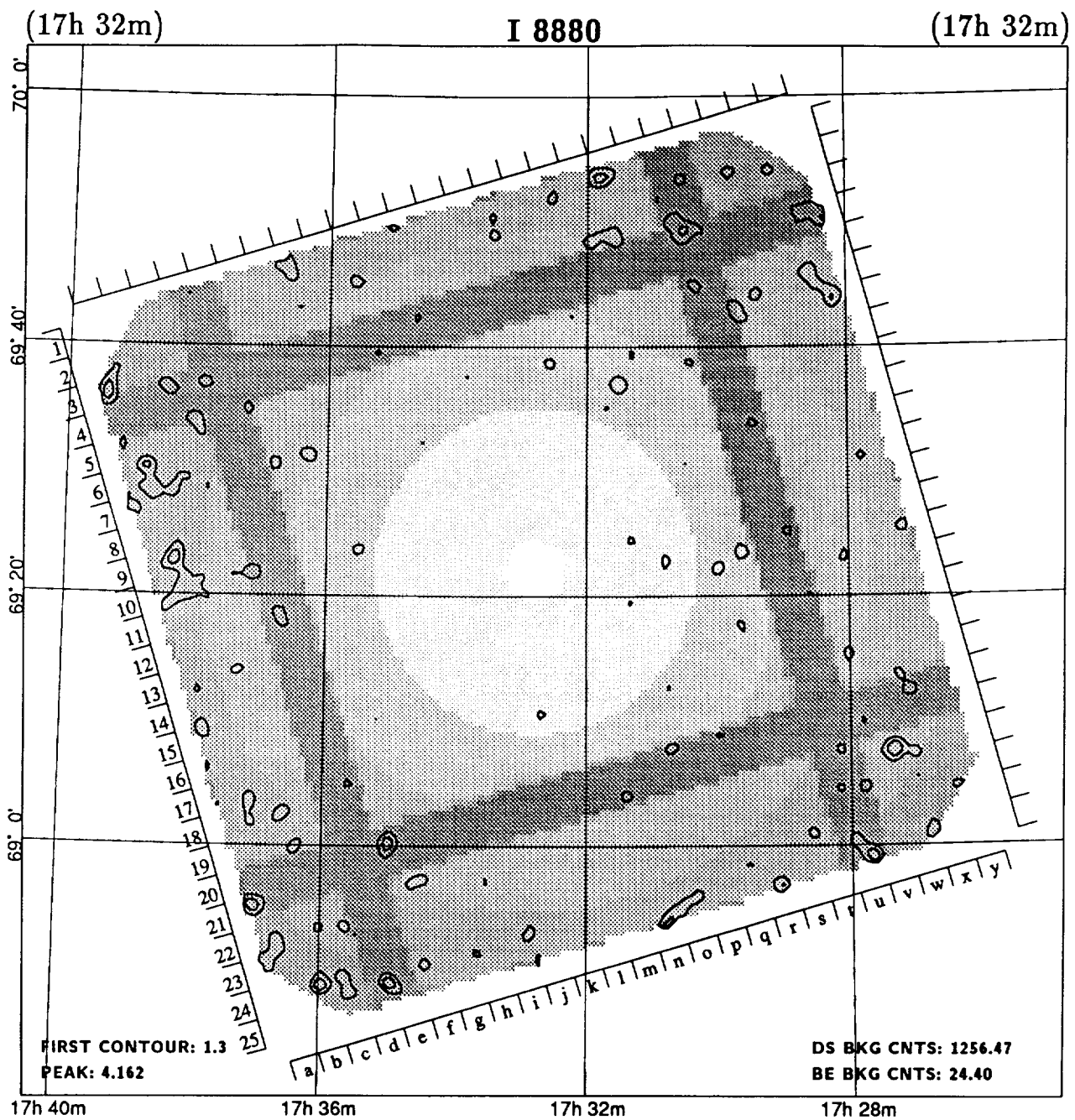
ALPHA OPH (RAS-ALHAGUE) STELLAR OBSERVATIONS, A STARS

FIELD CENTER: $17^{\text{h}}32^{\text{m}}36.5^{\text{s}}$ $12^{\circ}35'41''$ (B1950)
 $17^{\text{h}}34^{\text{m}}55.4^{\text{s}}$ $12^{\circ}33'47''$ (J2000)
 $l: 35.90$ $b: 22.57$

DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 1110.5s
 ROLL ANGLE: -84.2°

NH: $7.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3921	1	17 32 40.8	12 35 35	39	0.0196	0.0053	16.2	2.8	3.7	1.4	0	1.2	H	S



GSFC NEP SURVEY - FIELD # 147 3 -6

FIELD CENTER: 17^h32^m40.0^s 69°22'07" (B1950)
17^h32^m17.8^s 69°20'07" (J2000)
ℓ: 99.83 b: 32.21

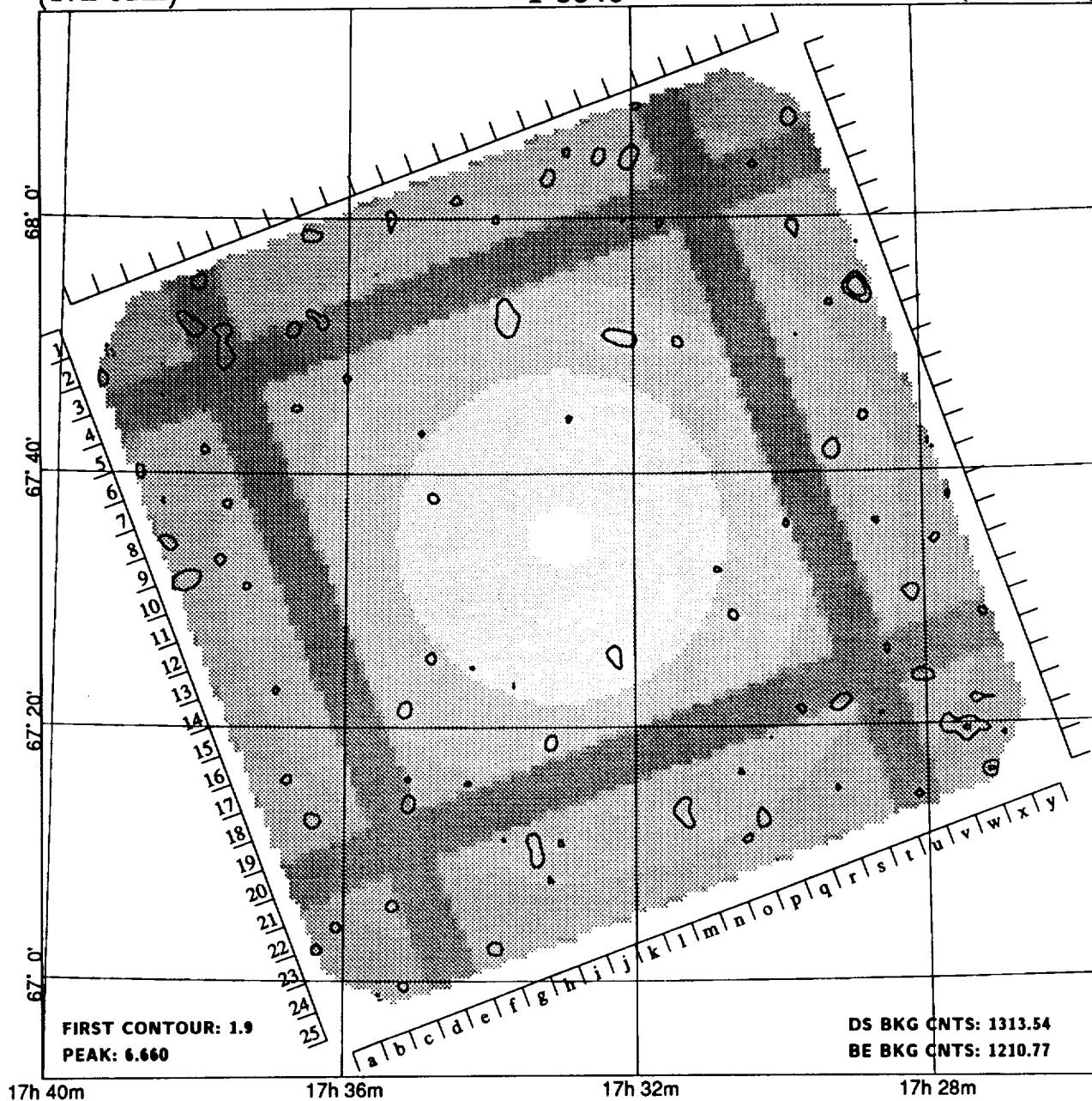
DATE: 1980/146 - 1980/146
LIVETIME: 1018.2s
ROLL ANGLE: -16.4°

NH: 4.0E+20
REF/ID:
FIELD FLAGS:

(17h 32m)

I 8840

(17h 32m)



FIELD CENTER: $17^{\text{h}}32^{\text{m}}52.8^{\text{s}}$ $67^{\circ}34'36''$ (B1950)
 $17^{\text{h}}32^{\text{m}}45.9^{\text{s}}$ $67^{\circ}32'37''$ (J2000)
 $l: 97.72$ $b: 32.40$

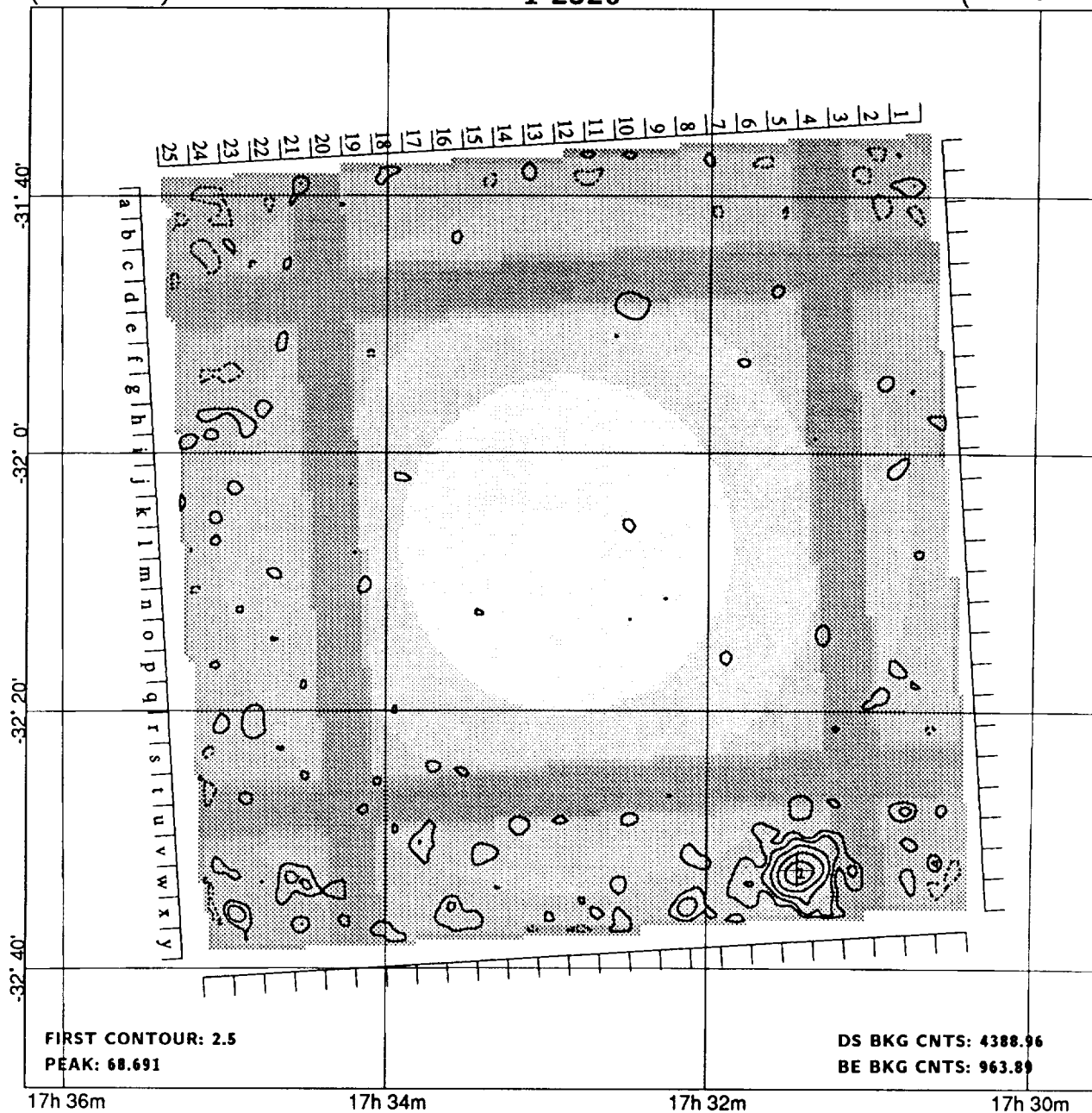
DATE: 1980/147 - 1980/147
LIVETIME: 1064.4s
ROLL ANGLE: -20.4°

NH: 4.3E+20
REF/ID:
FIELD FLAGS: L

(17h 32m)

I 2520

(17h 32m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}32^{\text{m}}54.8^{\text{s}}$ $-32^{\circ}07'27''$ (B1950)
 $17^{\text{h}}36^{\text{m}}10.3^{\text{s}}$ $-32^{\circ}09'18''$ (J2000)
 $l: 356.19$ $b: 0.02$

DATE: 1979/265 - 1979/265
 LIVETIME: 3556.5s
 ROLL ANGLE: 86.5°

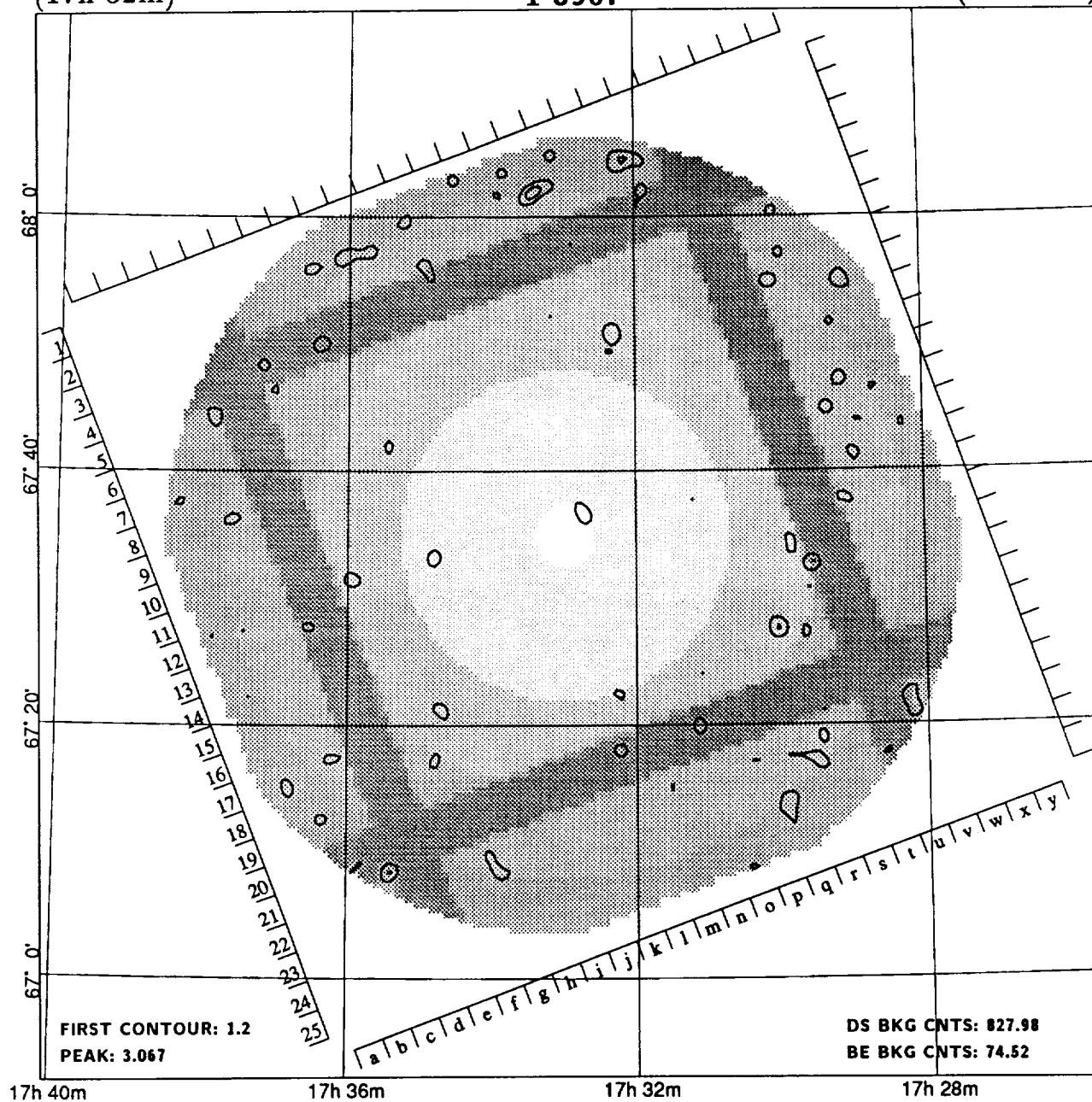
NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3920	1L	17 31 26.3	-32 32 22	48	0.084	0.011	98.9	33.1	7.2	1.7	0	31.2	A	*

(17h 32m)

I 8907

(17h 32m)

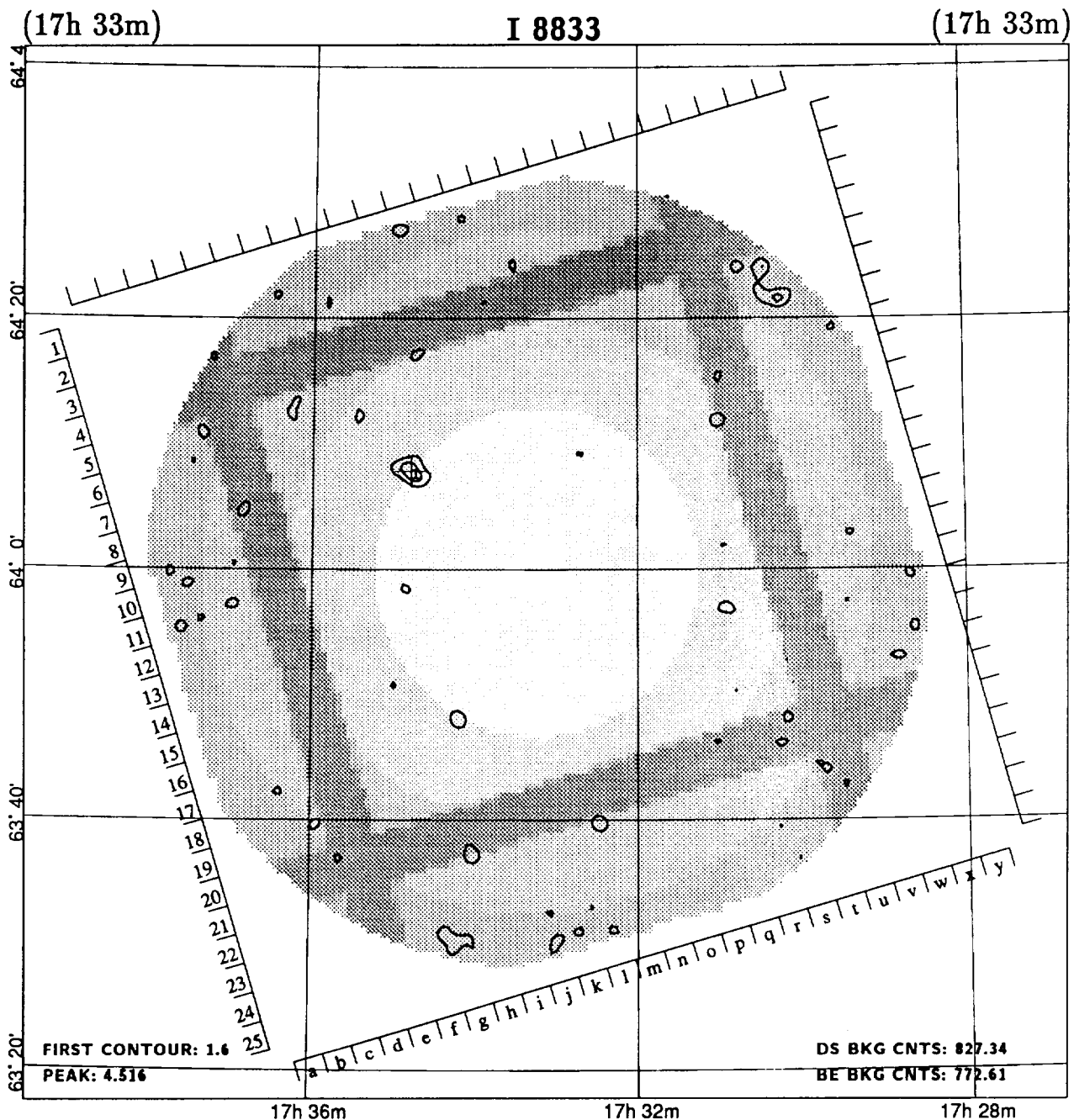


GSFC NEP SURVEY - FIELD # 174 7 -1

FIELD CENTER: $17^{\text{h}}32^{\text{m}}56.1^{\text{s}}$ $67^{\circ}34'20''$ (B1950)
 $17^{\text{h}}32^{\text{m}}49.3^{\text{s}}$ $67^{\circ}32'22''$ (J2000)
 $l: 97.71$ $b: 32.40$

DATE: 1980/150 - 1980/150
LIVETIME: 670.9s
ROLL ANGLE: -20.4°

NH: $4.3\text{E}+20$
REF/ID:
FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 100 -5 -3

FIELD CENTER: 17^h33^m08.3^s 63°59'48" (B1950)
17^h33^m26.2^s 63°57'52" (J2000)
 ℓ : 93.48 b : 32.69

DATE: 1980/147 - 1980/147
LIVETIME: 670.4s
ROLL ANGLE: -16.5°

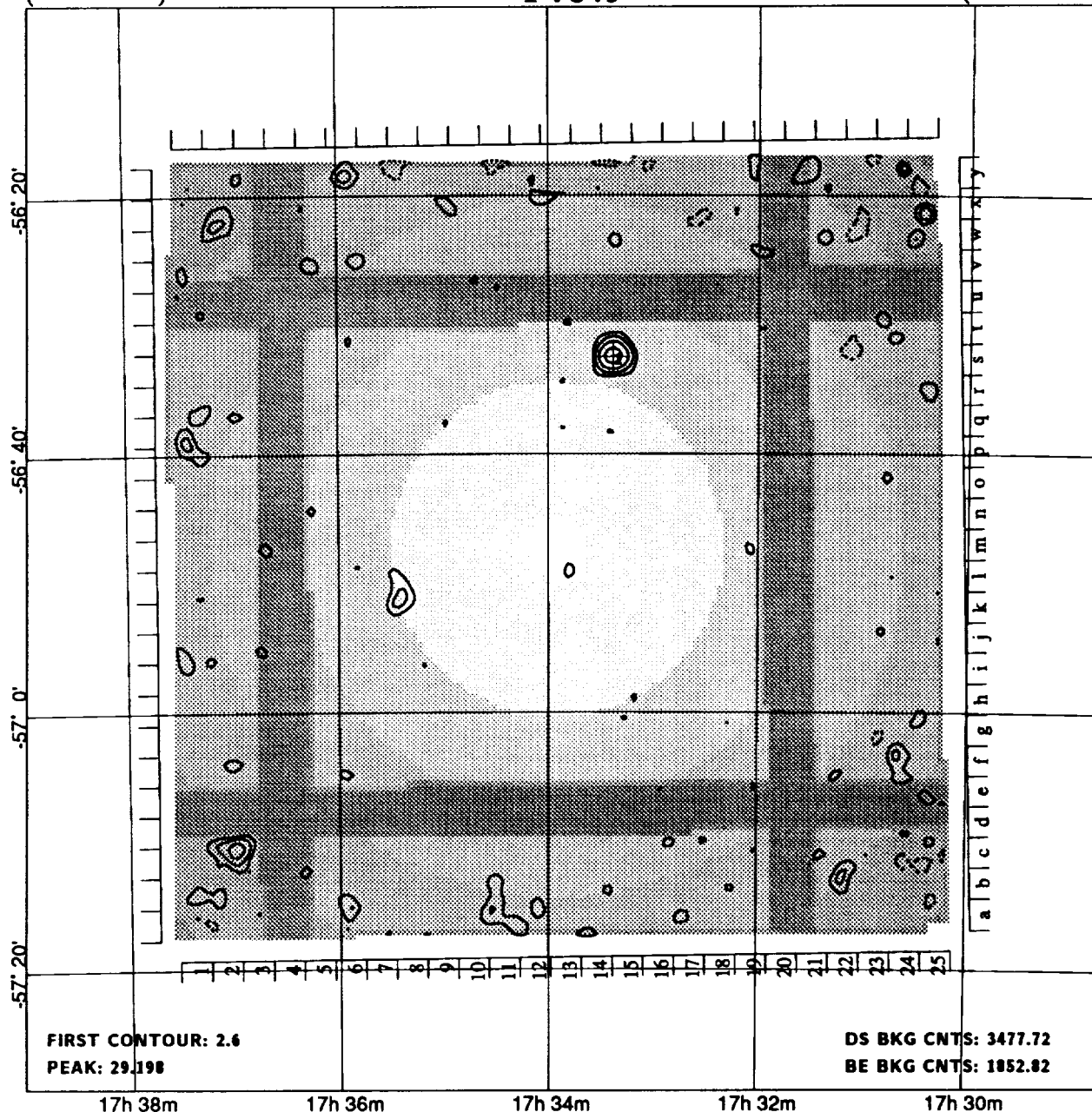
NH: 2.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3927	1	17 34 47.6	64 07 50	47	0.037	0.010	15.5	3.5	3.5	0.8	0	13.4	H

(17h 33m)

I 7849

(17h 33m)



V535 ARA, SURVEY OF W URSAE MAJORIS STARS

FIELD CENTER: $17^{\text{h}}33^{\text{m}}50.2^{\text{s}}$ $-56^{\circ}47'23''$ (B1950)
 $17^{\text{h}}38^{\text{m}}05.5^{\text{s}}$ $-56^{\circ}49'08''$ (J2000)
 $l: 335.18$ $b: -13.20$

DATE: 1980/ 71 - 1980/ 71
 LIVETIME: 2919.3s
 ROLL ANGLE: -90.7°

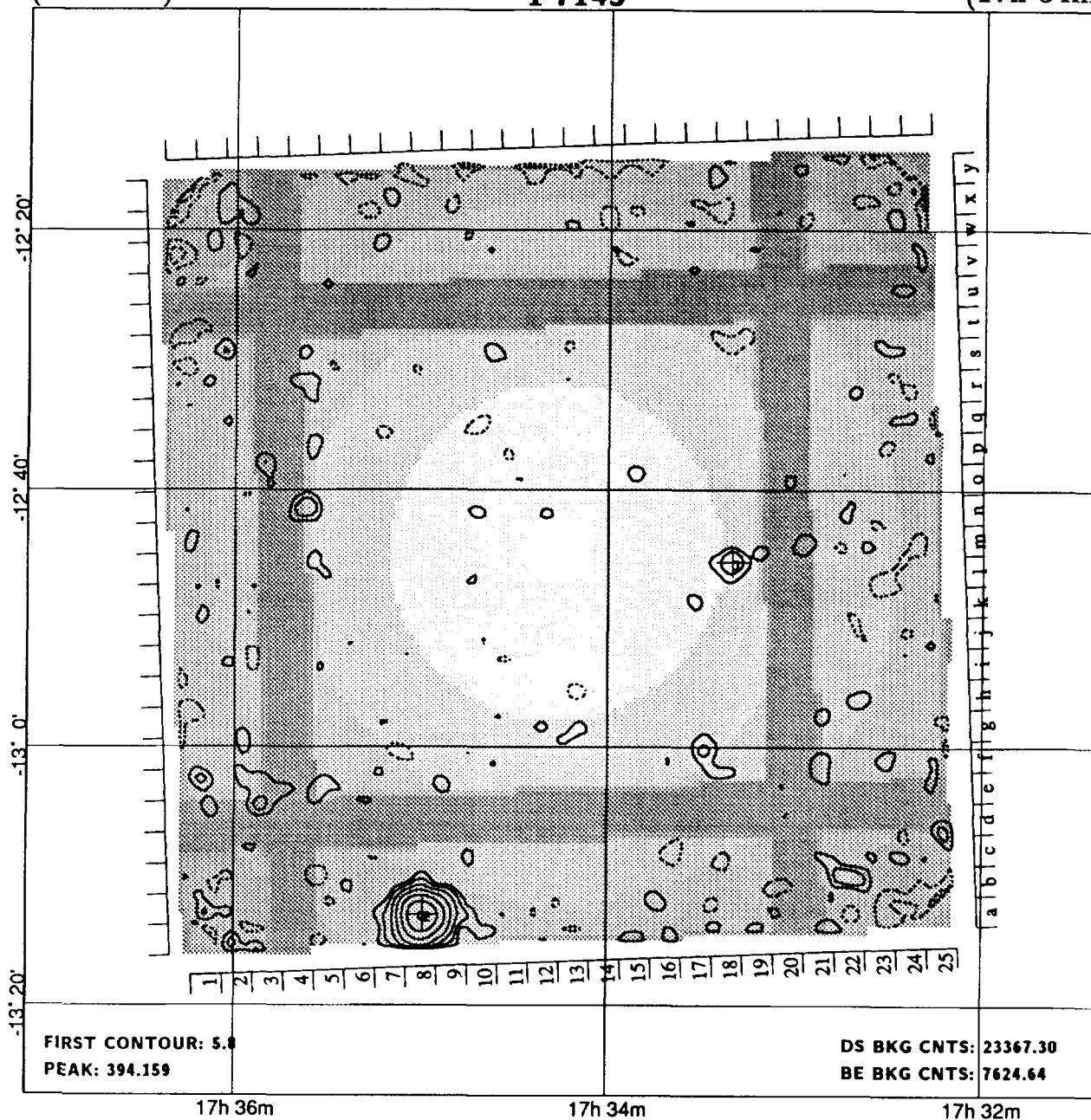
NH: $8.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3924	1L	17 33 22.9	-56 32 25	48	0.0473	0.0064	80.6	11.4	7.2	0.9	0	15.4		

(17h 34m)

I 7143

(17h 34m)



H1734-127, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $17^{\text{h}}34^{\text{m}}14.3^{\text{s}}$ $-12^{\circ}44'59''$ (B1950)
 $17^{\text{h}}37^{\text{m}}03.1^{\text{s}}$ $-12^{\circ}46'46''$ (J2000)
 $l: 12.81$ $b: 10.13$

DATE: 1981/ 75 - 1981/ 76
 LIVETIME: 18935.2s
 ROLL ANGLE: -92.2°

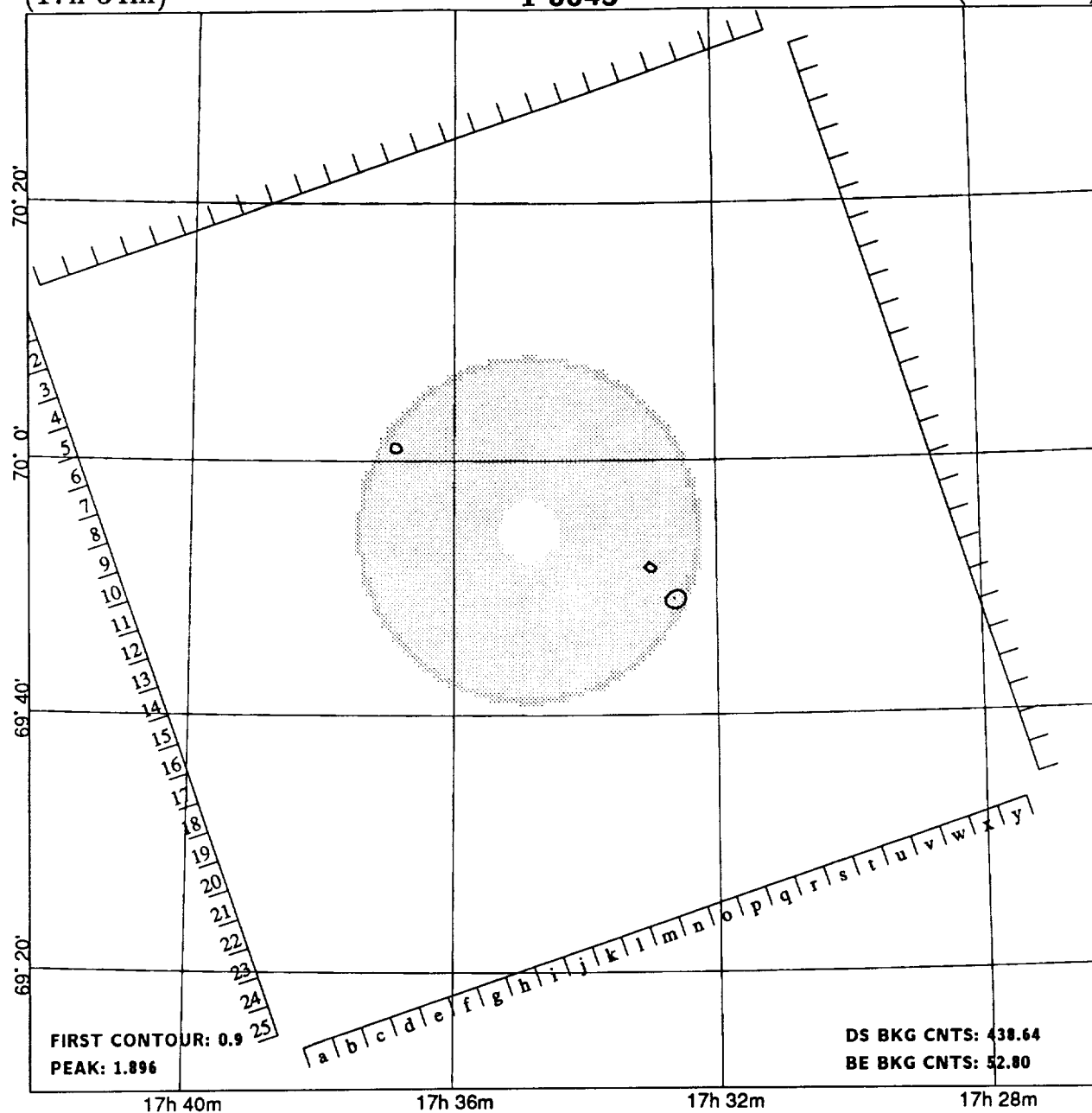
NH: $2.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3923	1L	17 33 19.9	-12 45 37	41	0.0048	0.0012	56.0	65.0	4.0	0.8	0	13.2		
3928	2L	17 34 59.2	-13 12 56	47	0.0962	0.0050	641.6	183.4	19.1	1.3	0	30.0		

(17h 34m)

I 8845

(17h 34m)



GSFC NEP SURVEY - FIELD # 112 5 -5

FIELD CENTER: $17^h 34^m 18.7^s$ $69^\circ 53' 03''$ (B1950)
 $17^h 33^m 51.4^s$ $69^\circ 51' 10''$ (J2000)
 ℓ : 100.41 b : 32.00

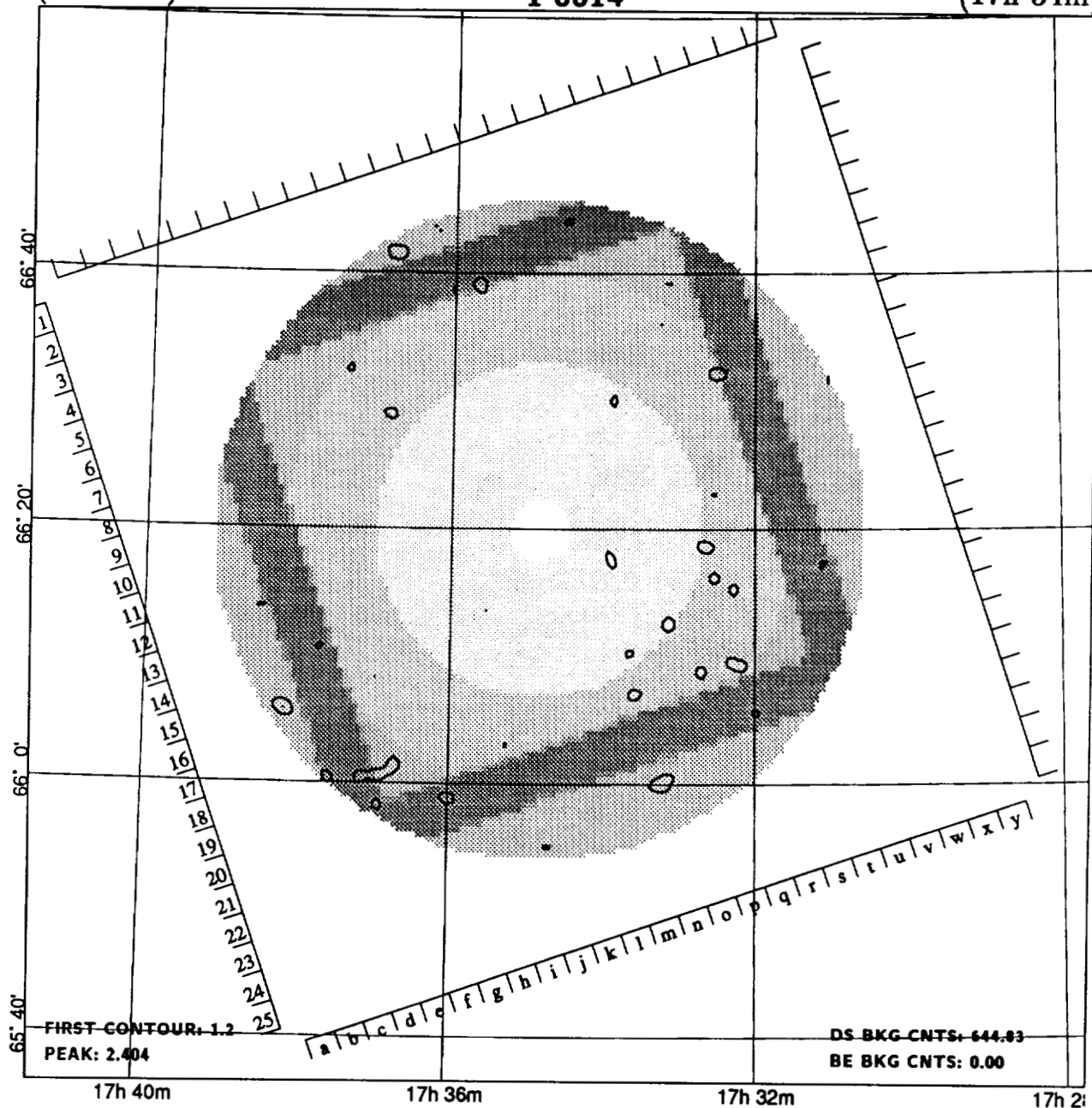
DATE: 1980/146 - 1980/146
 LIVETIME: 355.4s
 ROLL ANGLE: -18.8°

NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS:

(17h 34m)

I 8814

(17h 34m)



GSFC NEP SURVEY - FIELD # 81 4 3

FIELD CENTER: $17^{\text{h}}34^{\text{m}}34.0^{\text{s}}$ $66^{\circ}18'32''$ (B1950)
 $17^{\text{h}}34^{\text{m}}36.6^{\text{s}}$ $66^{\circ}16'41''$ (J2000)
 $l: 96.20$ $b: 32.36$

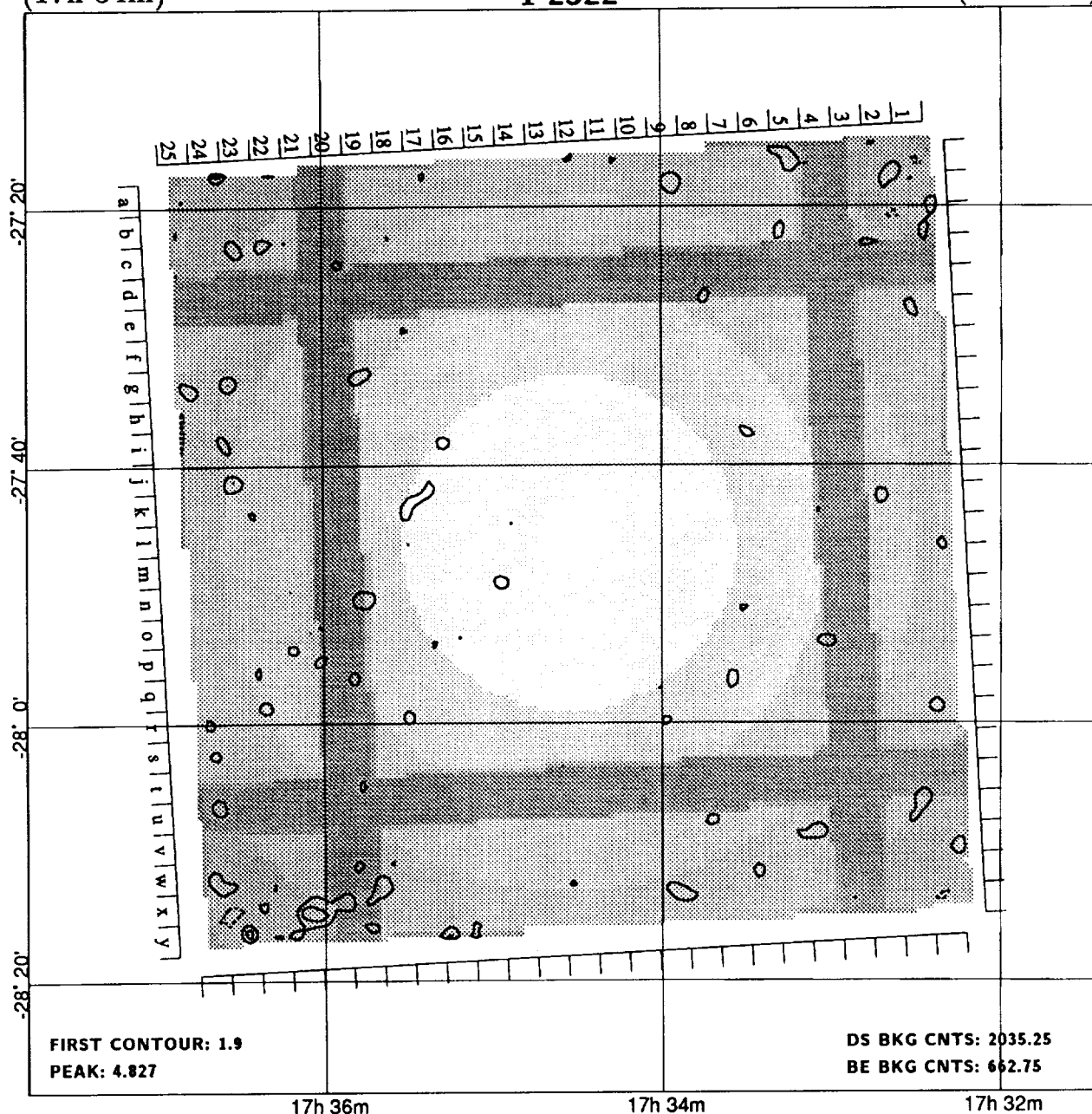
DATE: 1980/148 - 1980/148
LIVETIME: 522.5s
ROLL ANGLE: -18.9°

NH: $3.8\text{E}+20$
REF/ID:
FIELD FLAGS: L

(17h 34m)

I 2522

(17h 34m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}34^{\text{m}}34.4^{\text{s}}$ $-27^{\circ}46'41''$ (B1950)
 $17^{\text{h}}37^{\text{m}}43.2^{\text{s}}$ $-27^{\circ}48'25''$ (J2000)
 ℓ : 0.04 b : 2.07

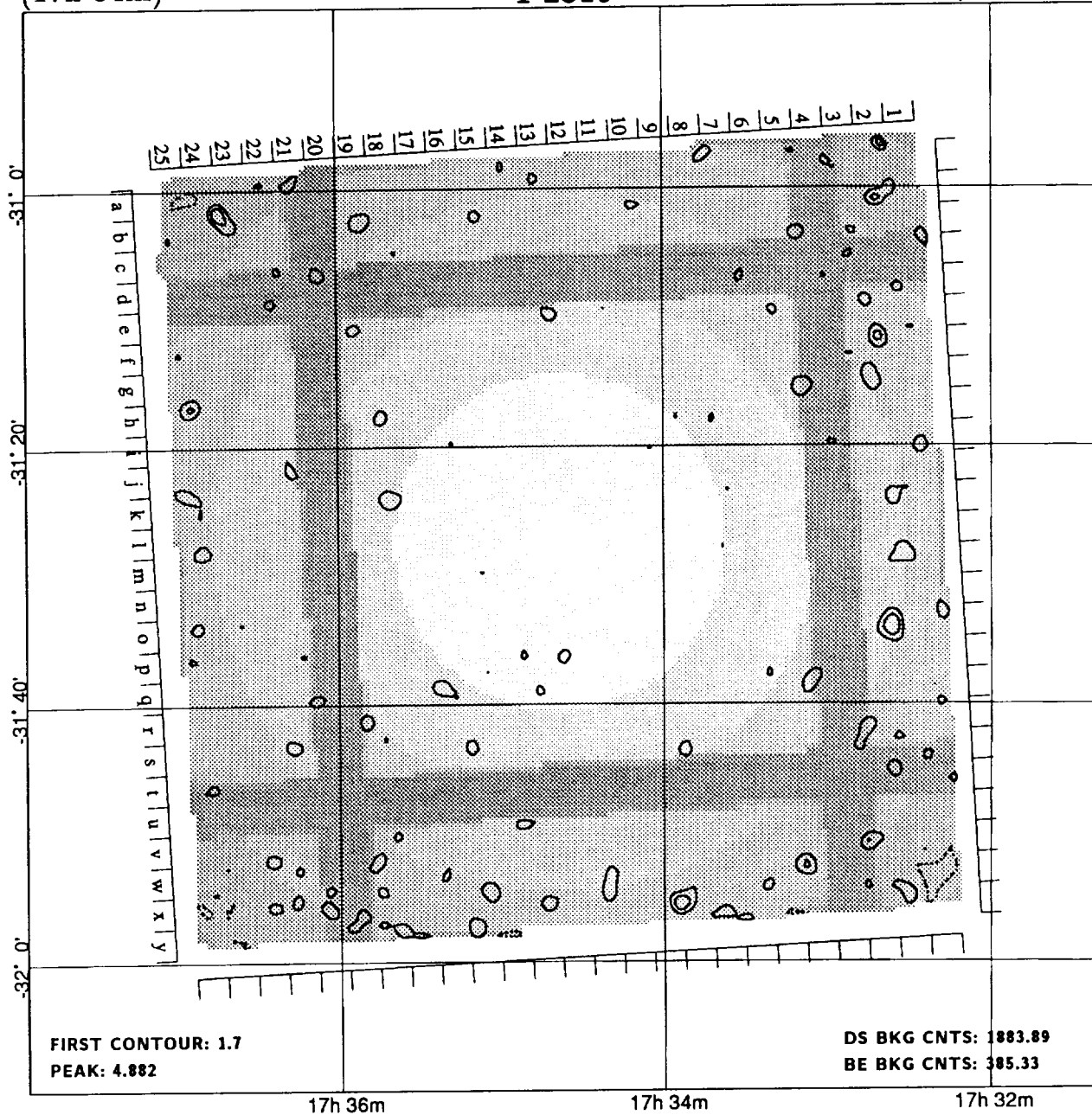
DATE: 1979/264 - 1979/265
 LIVETIME: 1649.2s
 ROLL ANGLE: 87.1°

NH: $6.5E+21$
 REF/ID:
 FIELD FLAGS: L

(17h 34m)

I 2519

(17h 34m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^h 34^m 37.6^s$ $-31^\circ 27' 59''$ (B1950)
 $17^h 37^m 52.1^s$ $-31^\circ 29' 43''$ (J2000)
 $l: 356.94$ $b: 0.07$

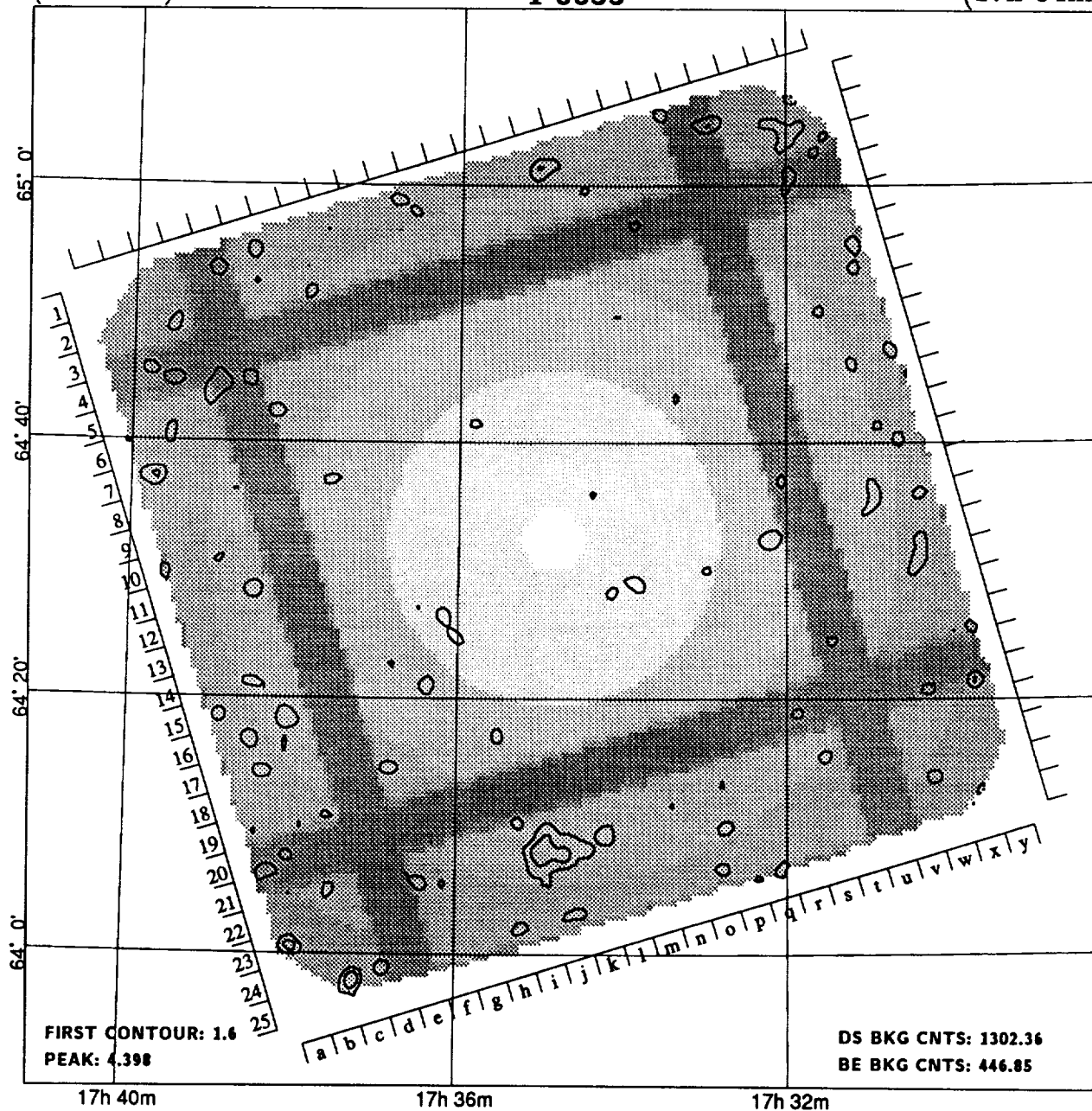
DATE: 1979/264 - 1979/264
 LIVETIME: 1526.6s
 ROLL ANGLE: 87.0°

NH: $1.1E+22$
 REF/ID:
 FIELD FLAGS:

(17h 34m)

I 8855

(17h 34m)

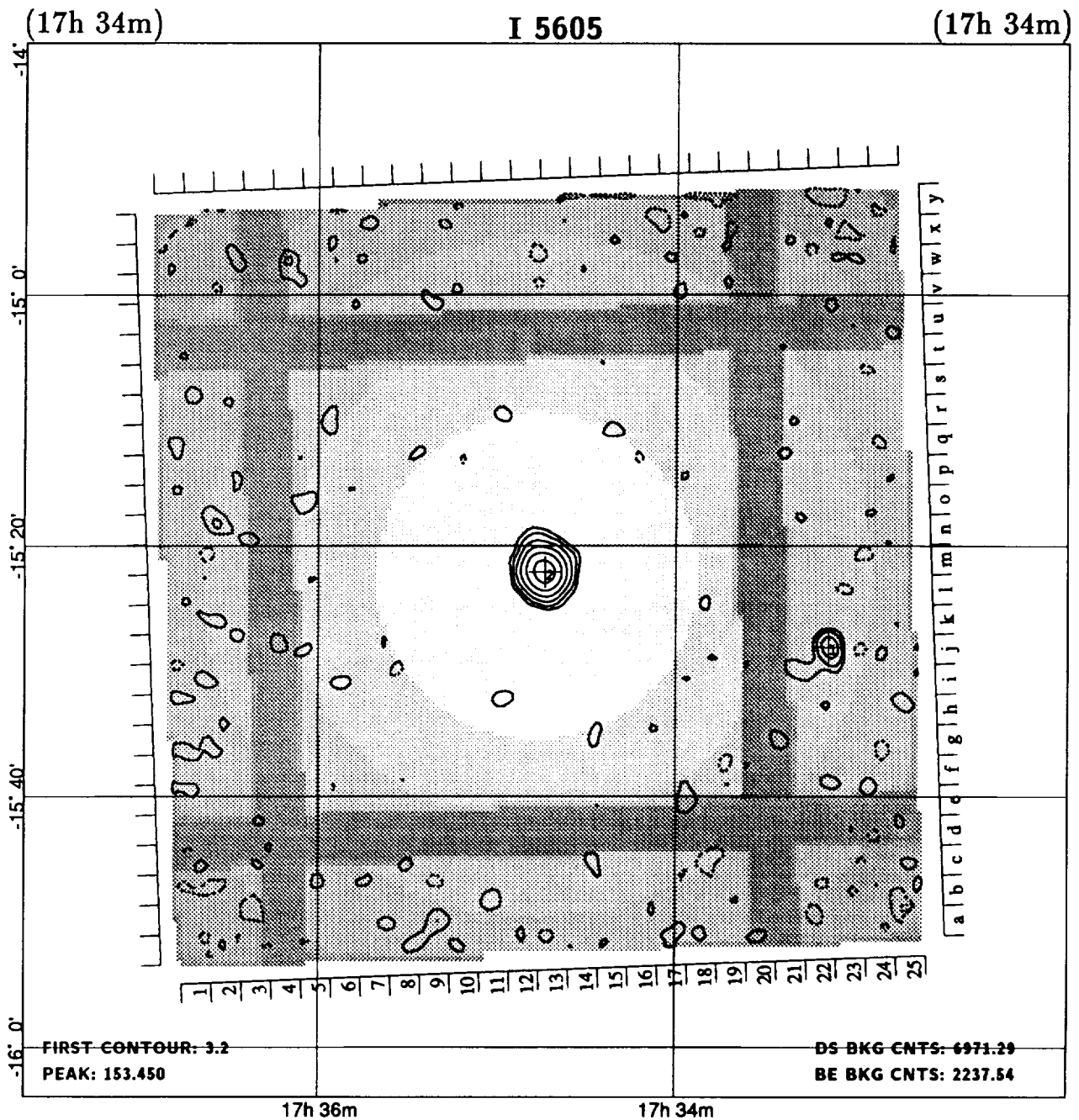


GSFC NEP SURVEY - FIELD # 122 4 6

FIELD CENTER: $17^{\text{h}}34^{\text{m}}42.9^{\text{s}}$ $64^{\circ}31'54''$ (B1950)
 $17^{\text{h}}34^{\text{m}}57.4^{\text{s}}$ $64^{\circ}30'04''$ (J2000)
 $l: 94.10$ $b: 32.48$

DATE: 1980/148 - 1980/148
 LIVETIME: 1055.3s
 ROLL ANGLE: -16.9°

NH: $3.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: 17^h34^m43.8^s -15°21'59" (B1950)
17^h37^m35.9^s -15°23'43" (J2000)
l: 10.61 *b*: 8.66

DATE: 1981/ 76 - 1981/ 76
LIVETIME: 5649.0s
ROLL ANGLE: -92.2°

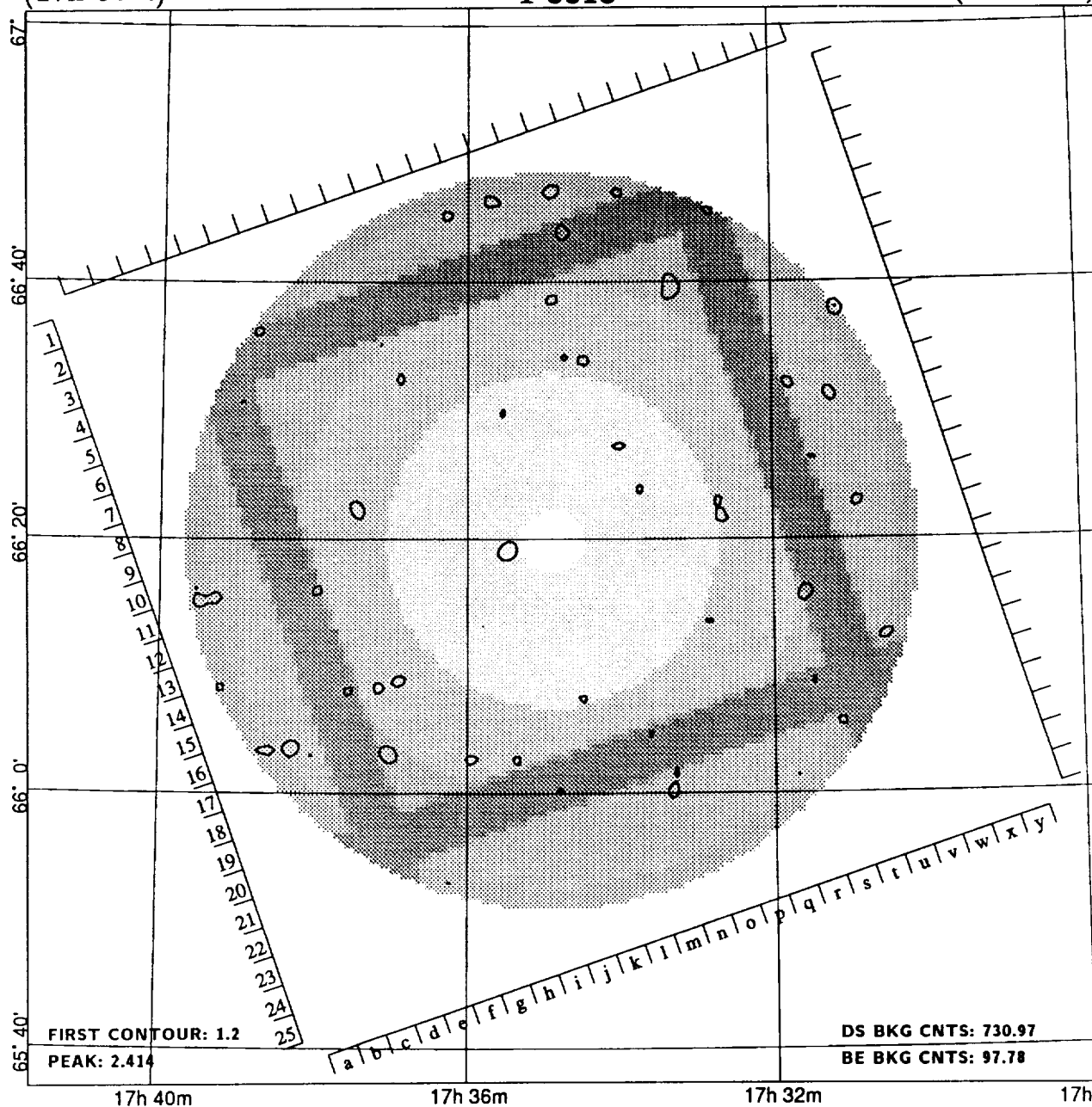
NH: 2.6E+21
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3922	1L	17 33 09.0	-15 28 07	50	0.0179	0.0037	45.1	16.9	4.7	1.1	0	23.6	
3926	2L	17 34 43.9	-15 22 05	31	0.1370	0.0072	576.7	117.3	18.9	1.3	0	0.0	S

(17h 34m)

I 8815

(17h 34m)



FIELD CENTER: $17^h 34^m 46.0^s$ $66^\circ 19' 23''$ (B1950)
 $17^h 34^m 48.5^s$ $66^\circ 17' 34''$ (J2000)
 $l: 96.22$ $b: 32.34$

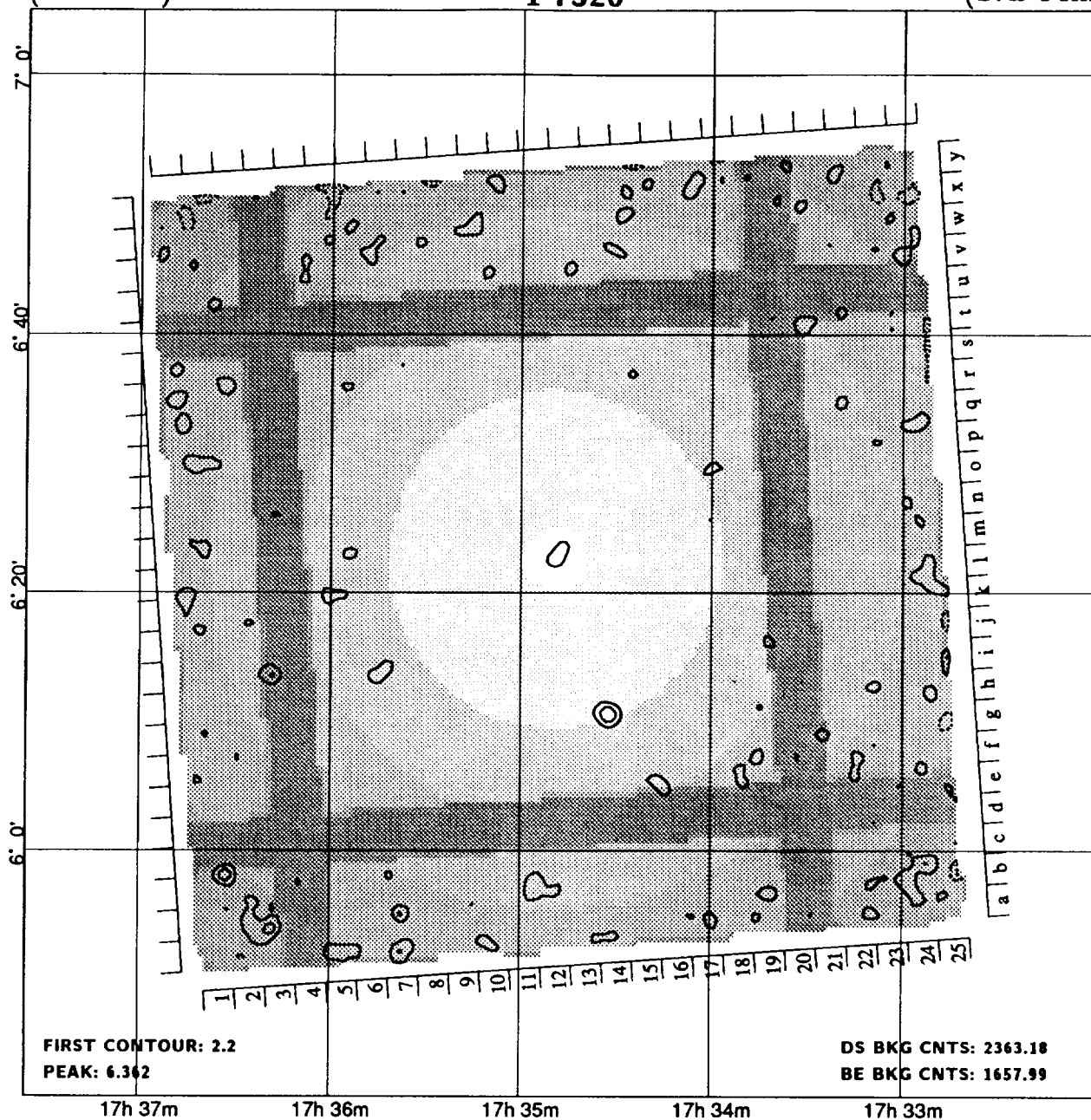
DATE: 1980/150 - 1980/150
 LIVETIME: 592.3s
 ROLL ANGLE: -18.9°

NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS:

(17h 34m)

I 7520

(17h 34m)



PKS 1734+063, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: $17^{\text{h}}34^{\text{m}}46.8^{\text{s}}$ $06^{\circ}22'59''$ (B1950)
 $17^{\text{h}}37^{\text{m}}13.1^{\text{s}}$ $06^{\circ}21'15''$ (J2000)
 ℓ : 30.15 b : 19.39

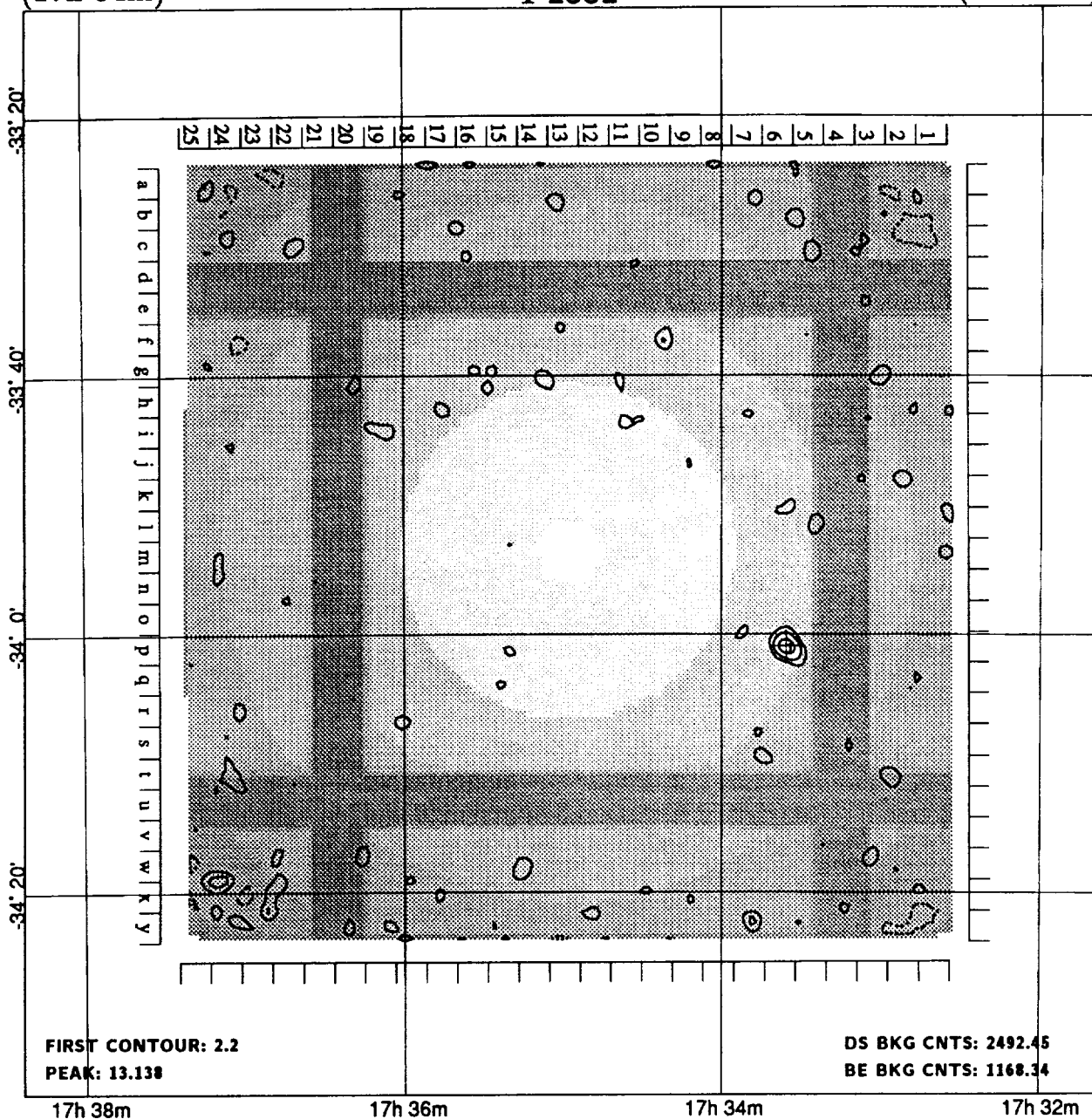
DATE: 1980/ 64 - 1980/ 64
LIVETIME: 1915.0s
ROLL ANGLE: -94.0°

NH: $7.4\text{E}+20$
REF/ID:
FIELD FLAGS: L

(17h 34m)

I 2552

(17h 34m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}34^{\text{m}}59.7^{\text{s}}$ $-33^{\circ}53'40''$ (B1950)
 $17^{\text{h}}38^{\text{m}}18.2^{\text{s}}$ $-33^{\circ}55'22''$ (J2000)
 $l: 354.94$ $b: -1.31$

DATE: 1979/265 - 1979/265
 LIVETIME: 2019.7s
 ROLL ANGLE: 90.0°

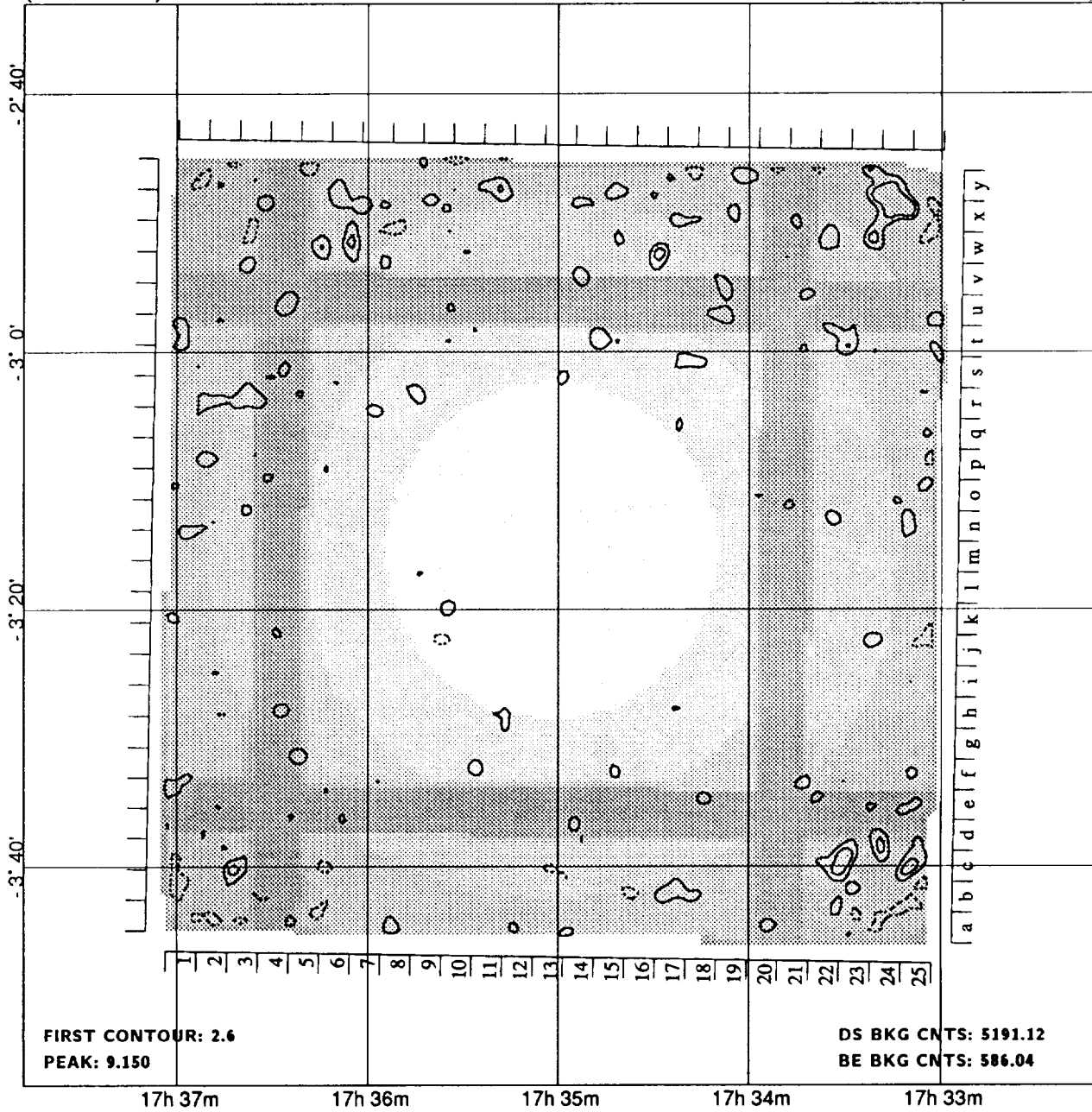
NH: $8.9\text{E}+21$
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3925	1L	17 33 35.6	-34 00 56	51	0.0289	0.0062	31.1	3.9	4.5	0.8	0	18.9		

(17h 34m)

I 703

(17h 34m)

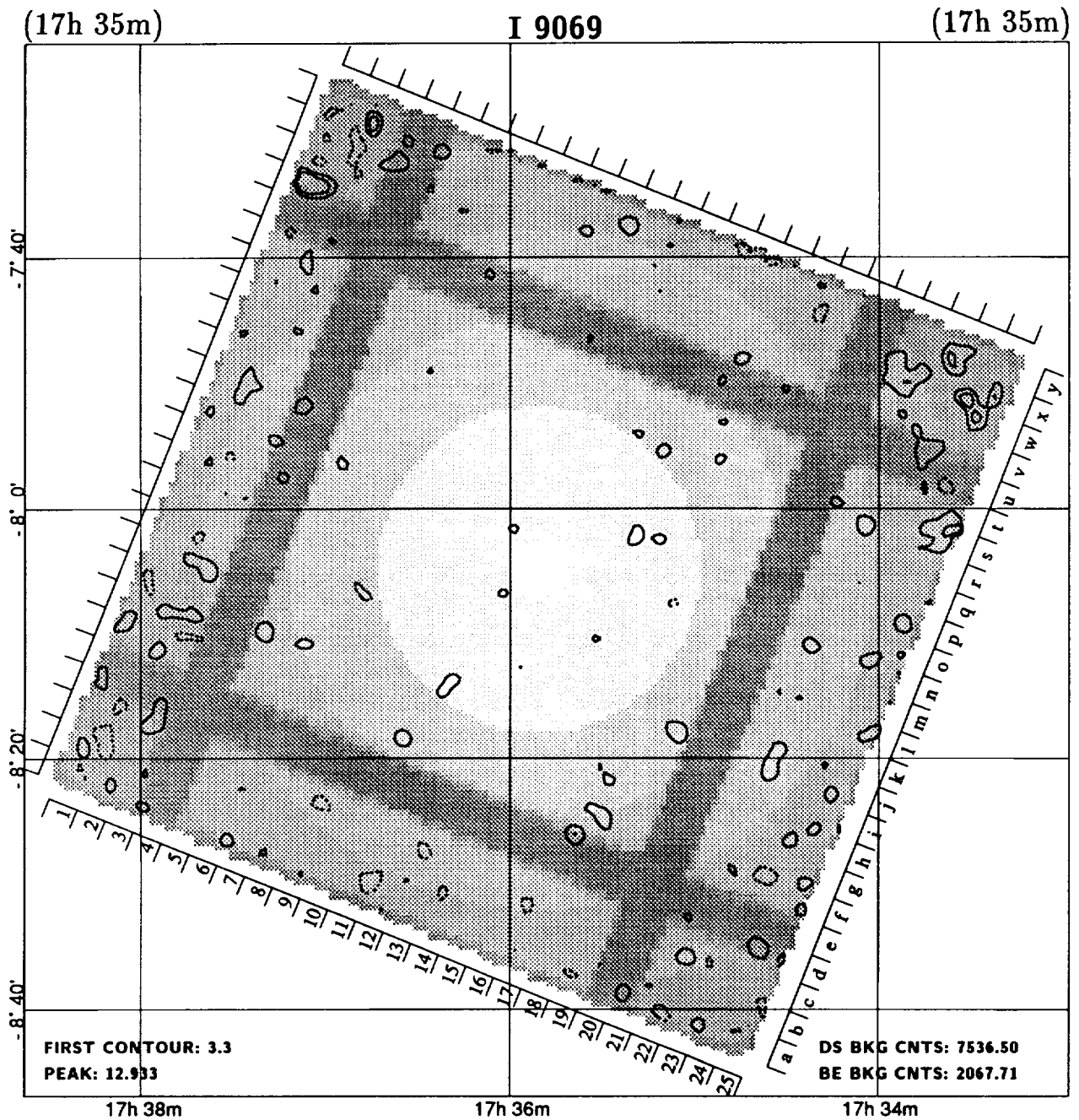


NGC 6402 GLOBULAR CLUSTER X-RAY EMISSION

FIELD CENTER: $17^{\text{h}}34^{\text{m}}59.8^{\text{s}}$ $-03^{\circ}14'59''$ (B1950)
 $17^{\text{h}}37^{\text{m}}37.4^{\text{s}}$ $-03^{\circ}16'43''$ (J2000)
 $l: 21.30$ $b: 14.78$

DATE: 1980/ 84 - 1980/ 84
 LIVETIME: 4357.6s
 ROLL ANGLE: -89.1°

NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:

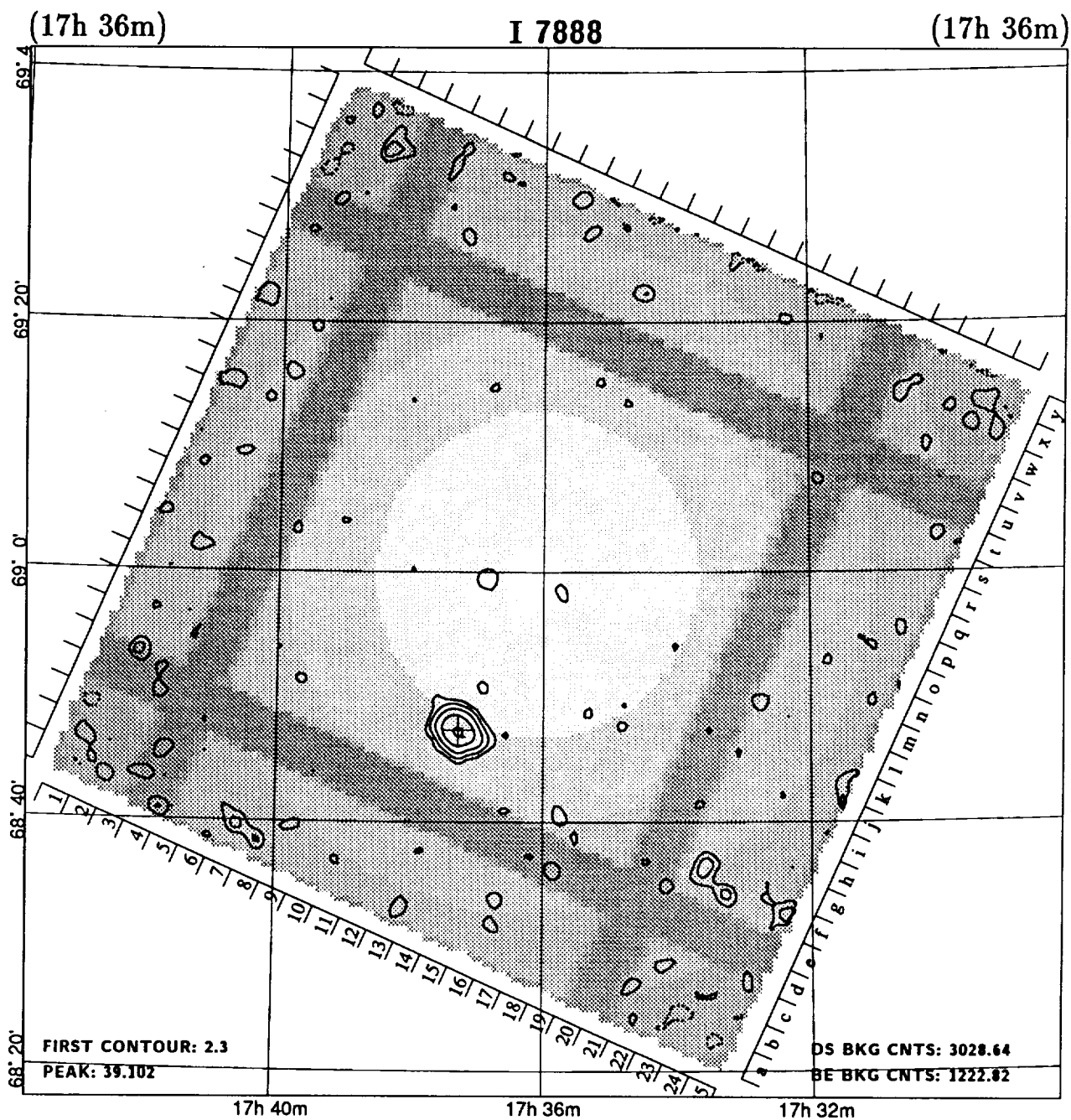


SUBSTITUTE TARGET HD 159975, CORONAL EM FROM HOT PECULIAR STARS

FIELD CENTER: $17^{\text{h}}35^{\text{m}}47.8^{\text{s}}$ $-08^{\circ}04'59''$ (B1950)
 $17^{\text{h}}38^{\text{m}}31.1^{\text{s}}$ $-08^{\circ}06'39''$ (J2000)
 ℓ : 17.09 b : 12.20

DATE: 1981/ 93 - 1981/ 93
 LIVETIME: 6107.0s
 ROLL ANGLE: -68.2°

NH: $2.0\text{E}+21$
 REF/ID:
 FIELD FLAGS:



H 1731+685, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: $17^h 36^m 00.0^s$ $68^\circ 59' 59''$ (B1950)
 $17^h 35^m 40.8^s$ $68^\circ 58' 14''$ (J2000)
 $l: 99.35$ $b: 31.96$

DATE: 1980/ 99 - 1980/ 99
 LIVETIME: 2542.5s
 ROLL ANGLE: -66.1°

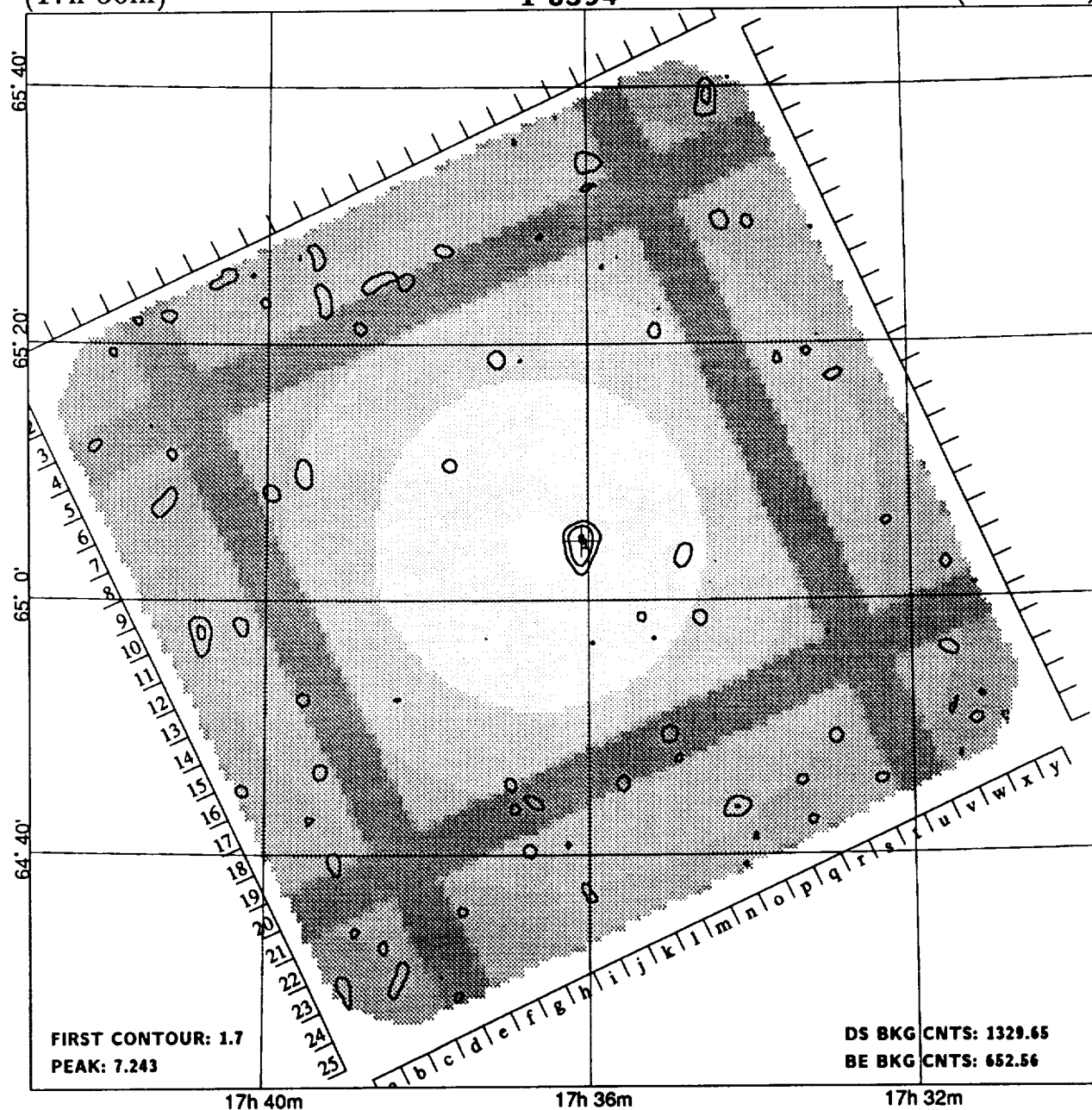
NH: $4.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3931	1	17 37 16.8	68 47 21	38	0.0845	0.0076	131.1	7.9	11.1	1.3	0	14.4	AH S

(17h 36m)

I 8594

(17h 36m)



GSFC NEP SURVEY - FIELD # 100 -5 -3

FIELD CENTER: $17^{\text{h}}36^{\text{m}}17.7^{\text{s}}$ $65^{\circ}04'00''$ (B1950)
 $17^{\text{h}}36^{\text{m}}28.6^{\text{s}}$ $65^{\circ}02'17''$ (J2000)
 $l: 94.72$ $b: 32.28$

DATE: 1980/148 - 1980/148
 LIVETIME: 1077.5s
 ROLL ANGLE: -25.2°

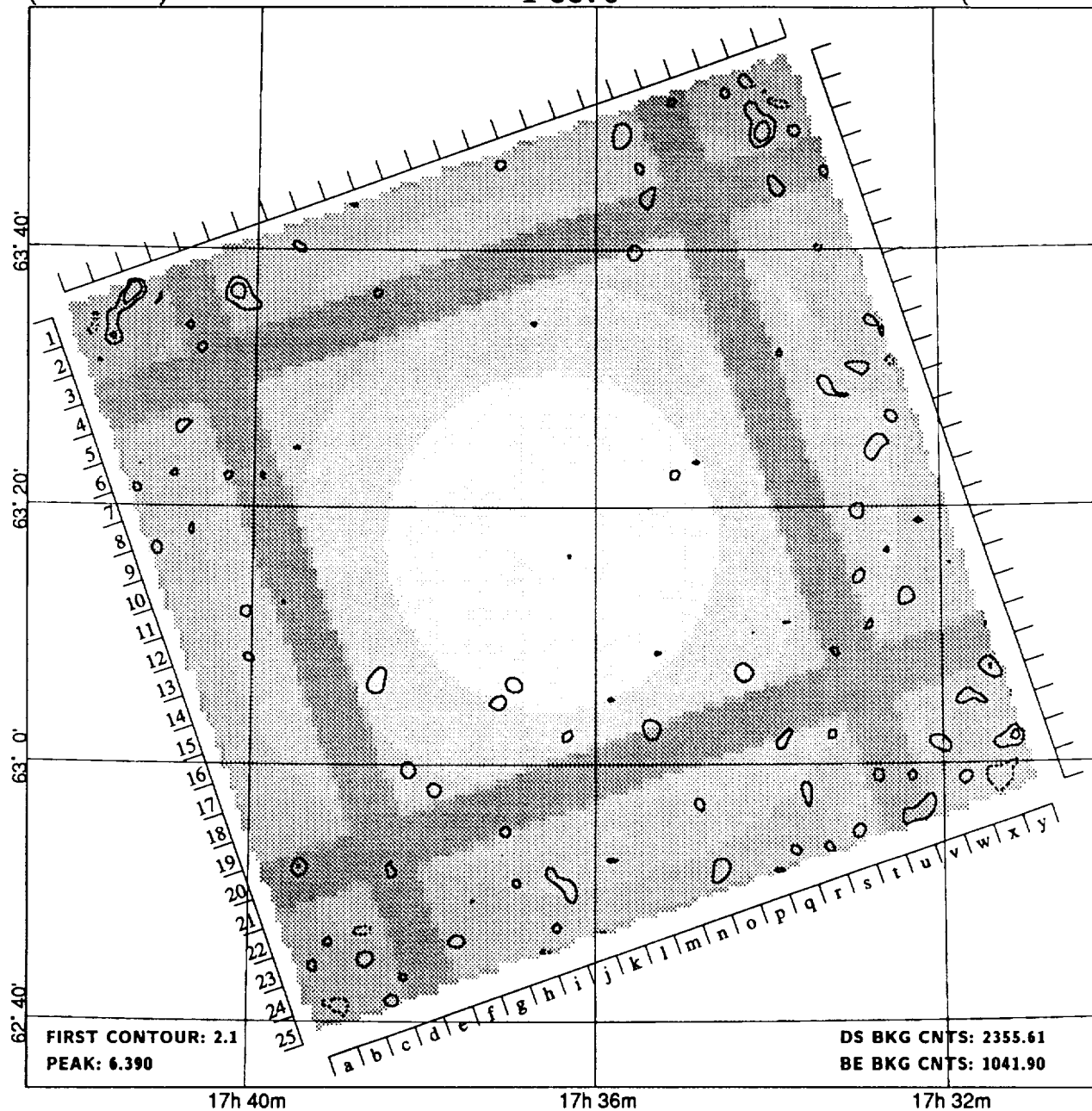
NH: $3.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3929	1	17 36 05.2	65 04 36	36	0.0388	0.0077	30.4	5.6	5.1	1.0	0	1.4	H

(17h 36m)

I 8870

(17h 36m)



GSFC NEP SURVEY - FIELD # 137 -6 -2

FIELD CENTER: $17^{\text{h}}36^{\text{m}}23.9^{\text{s}}$ $63^{\circ}16'55''$ (B1950)
 $17^{\text{h}}36^{\text{m}}45.8^{\text{s}}$ $63^{\circ}15'13''$ (J2000)
 $l: 92.61$ $b: 32.37$

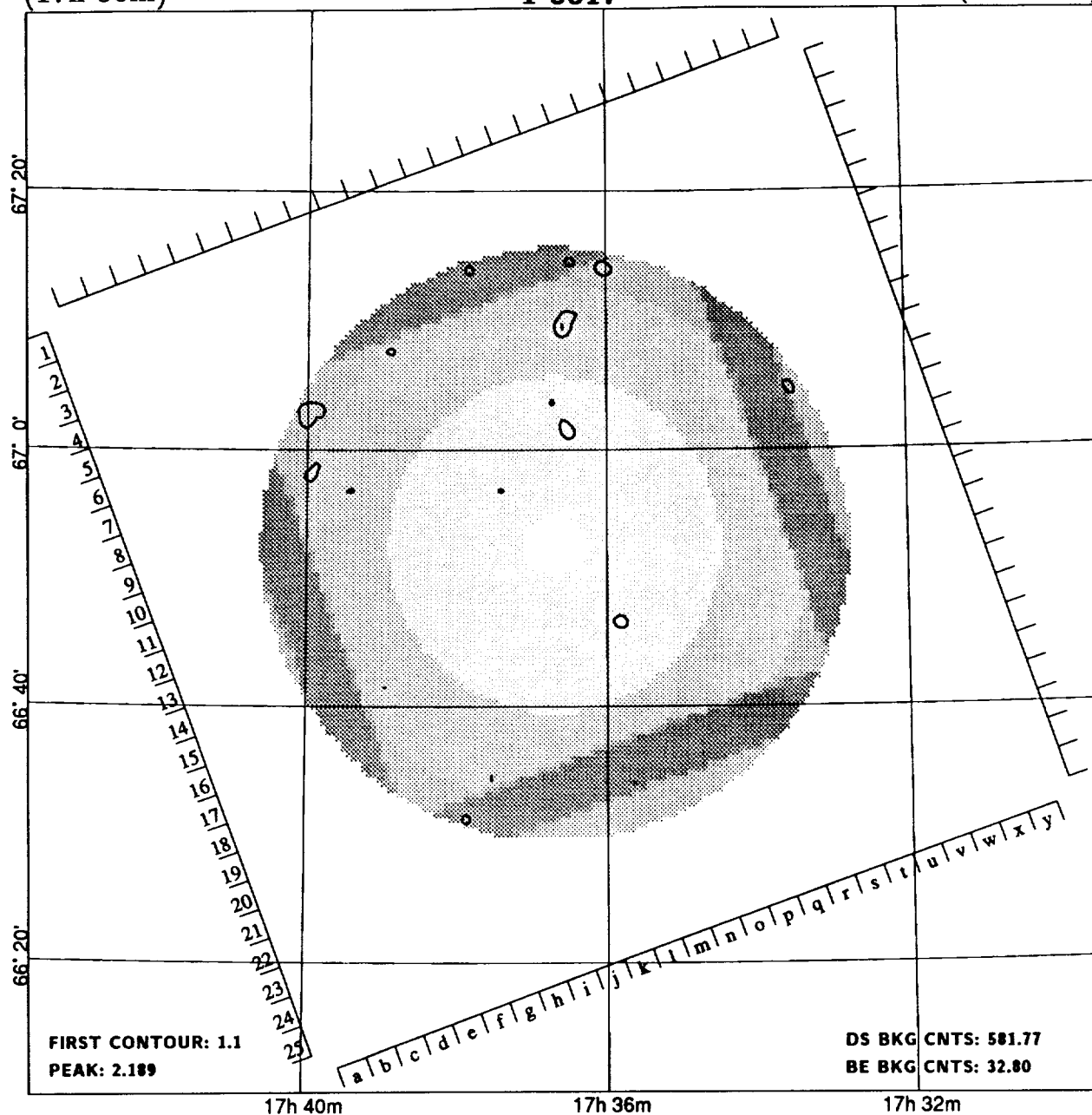
DATE: 1980/146 - 1980/146
 LIVETIME: 1908.8s
 ROLL ANGLE: -19.3°

NH: $3.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 36m)

I 8817

(17h 36m)



GSFC NEP SURVEY - FIELD # 84 3 5

FIELD CENTER: $17^{\text{h}}36^{\text{m}}33.5^{\text{s}}$ $66^{\circ}52'11''$ (B1950)
 $17^{\text{h}}36^{\text{m}}31.8^{\text{s}}$ $66^{\circ}50'29''$ (J2000)
 $l: 96.84$ $b: 32.11$

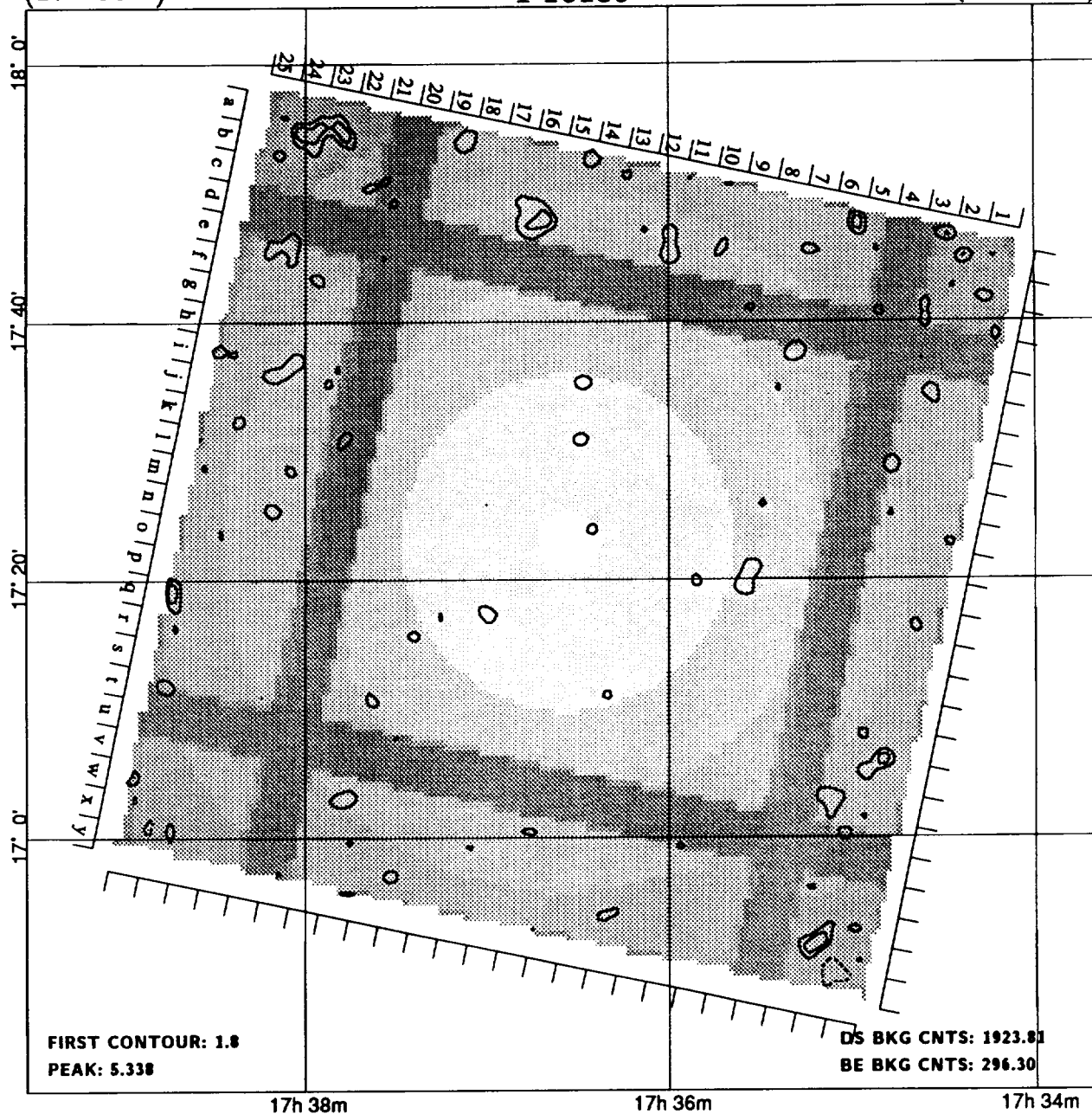
DATE: 1980/148 - 1980/148
LIVETIME: 471.4s
ROLL ANGLE: -19.9°

NH: $4.1\text{E}+20$
REF/ID:
FIELD FLAGS:

(17h 36m)

I 10159

(17h 36m)

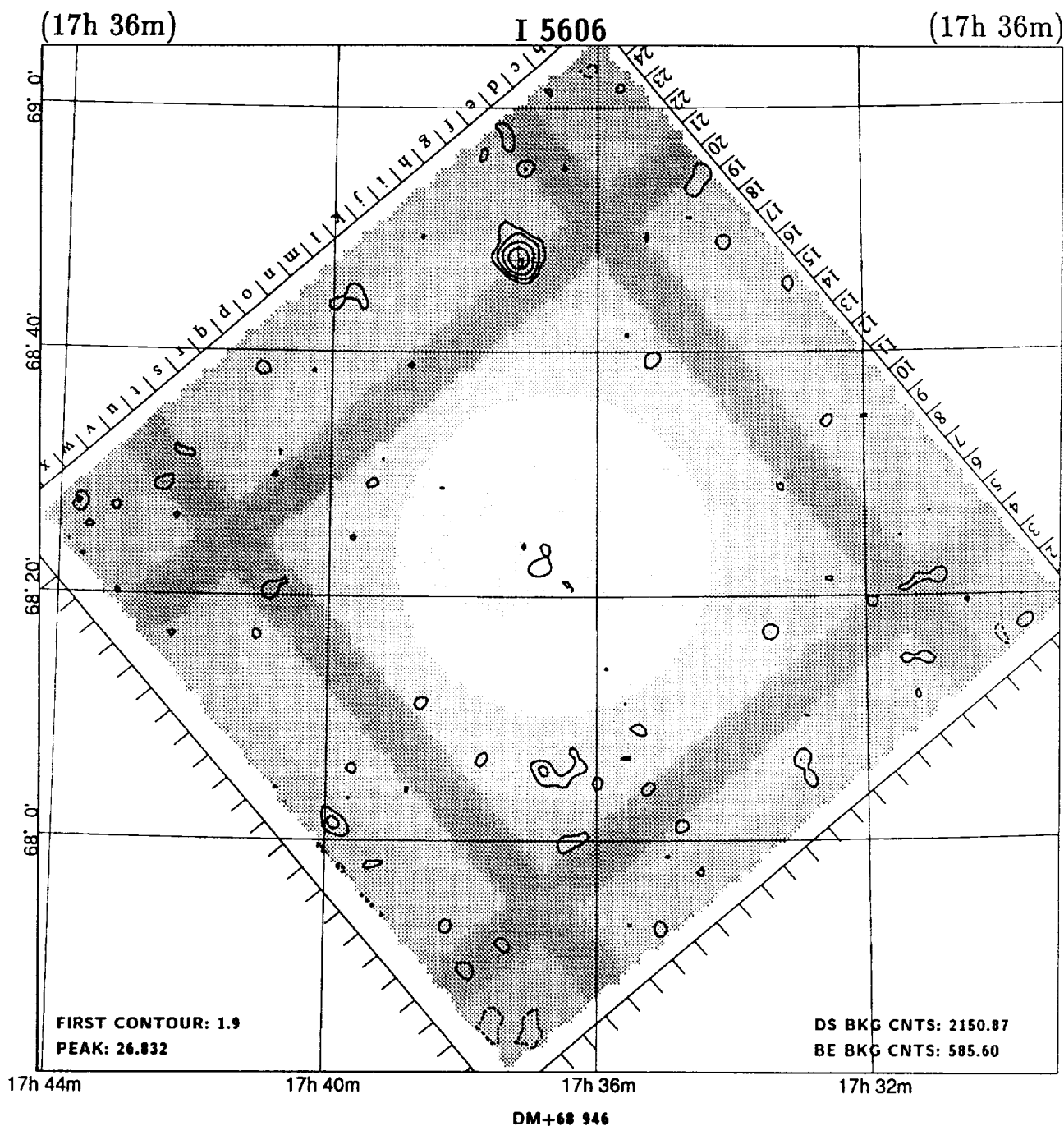


PKS 1739+17

FIELD CENTER: $17^{\text{h}}36^{\text{m}}35.8^{\text{s}}$ $17^{\circ}22'23''$ (B1950)
 $17^{\text{h}}38^{\text{m}}48.8^{\text{s}}$ $17^{\circ}20'46''$ (J2000)
 $l: 41.07$ $b: 23.62$

DATE: 1980/281 - 1980/282
 LIVETIME: 1558.9s
 ROLL ANGLE: 101.8°

NH: $5.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $17^{\text{h}}36^{\text{m}}41.8^{\text{s}}$ $68^{\circ}23'05''$ (B1950)
 $17^{\text{h}}36^{\text{m}}28.0^{\text{s}}$ $68^{\circ}21'23''$ (J2000)
 $l: 98.62$ $b: 31.96$

DATE: 1979/310 - 1979/311
 LIVETIME: 1742.9s
 ROLL ANGLE: 139.6°

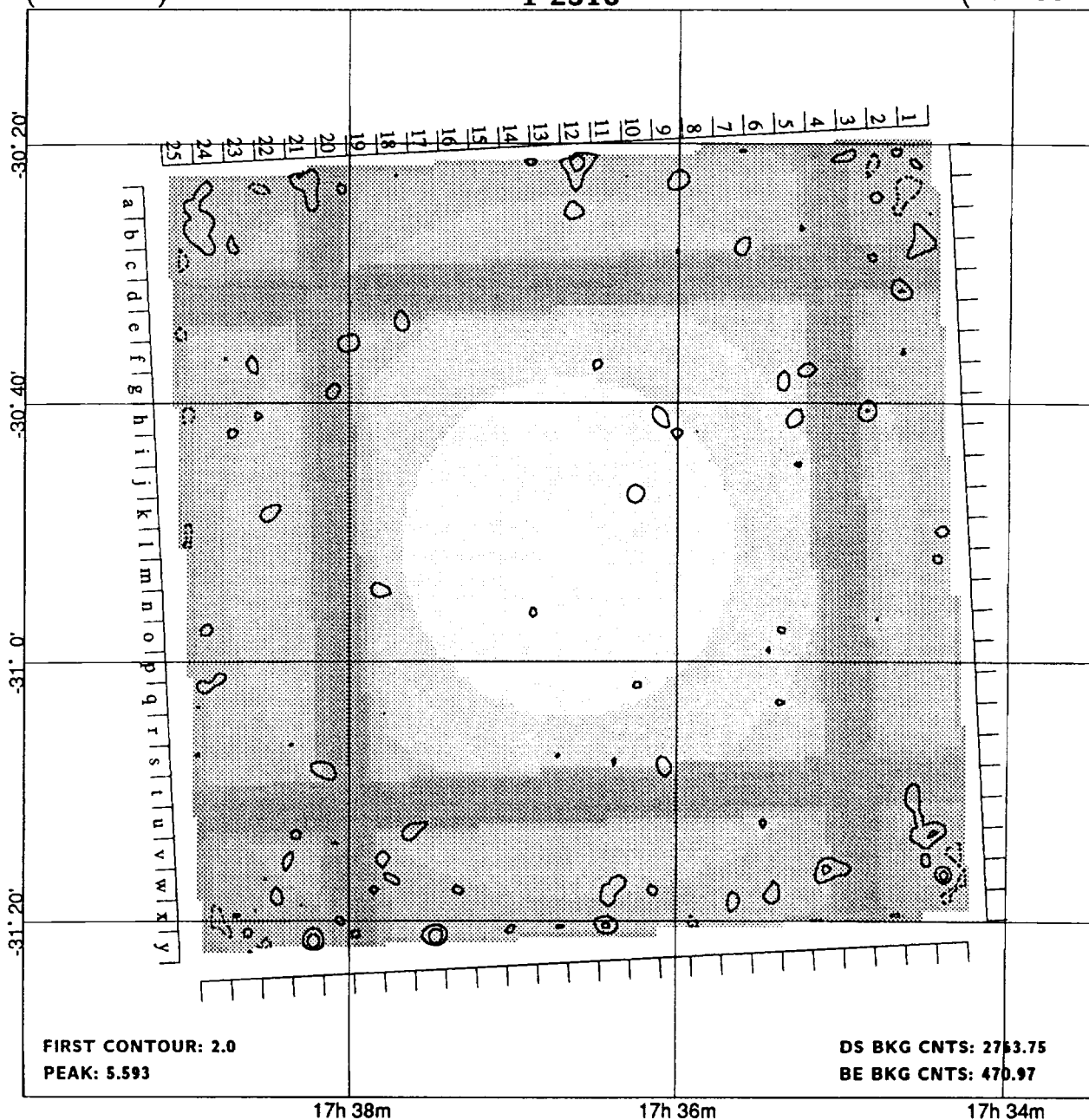
NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3931	1	17 37 12.8	68 47 28	50	*0.076	0.010	58.7	3.3	7.5	1.1	803	24.6	AH	S

(17h 36m)

I 2518

(17h 36m)

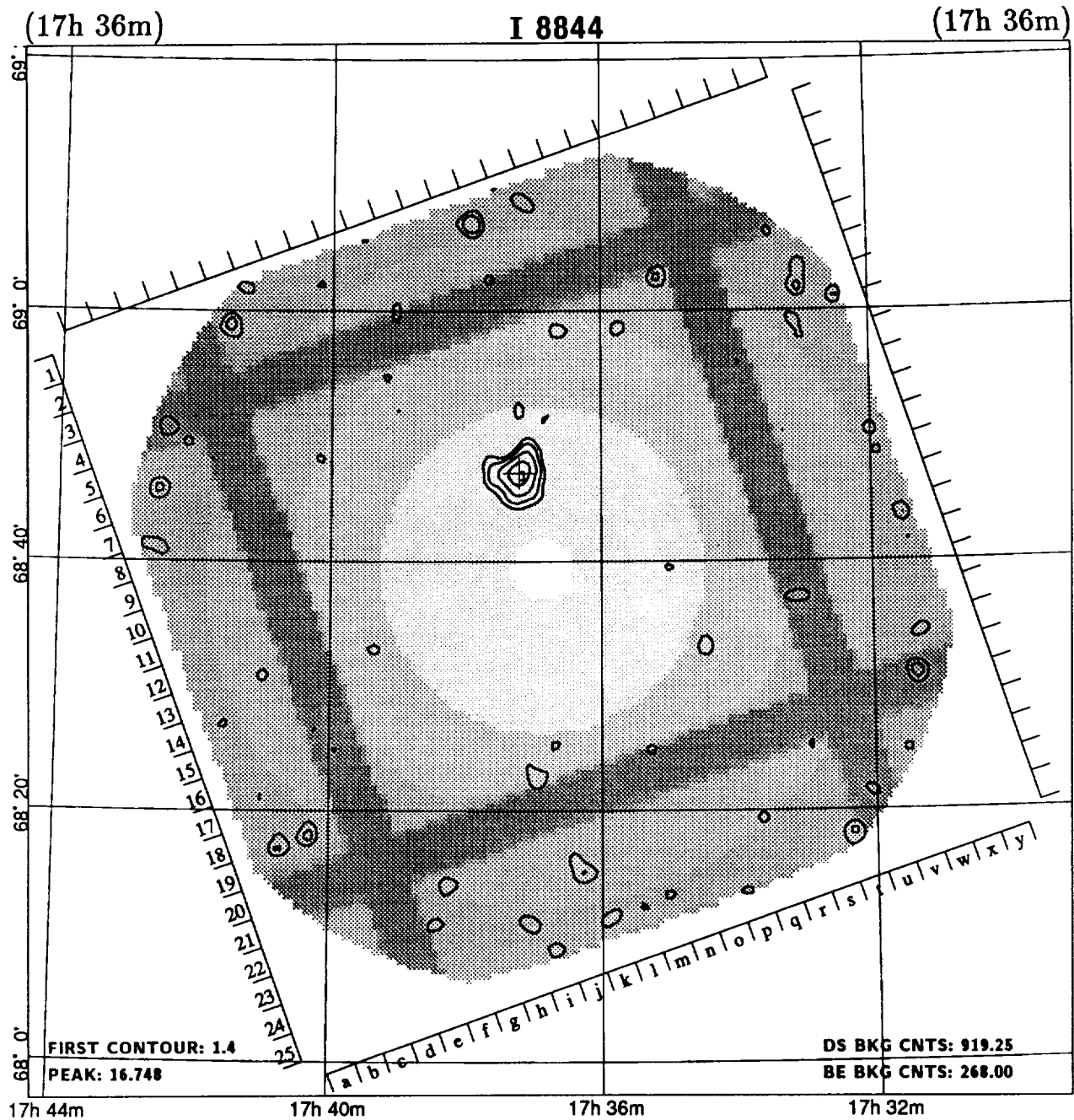


GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}36^{\text{m}}42.6^{\text{s}}$ $-30^{\circ}51'40''$ (B1950)
 $17^{\text{h}}39^{\text{m}}56.1^{\text{s}}$ $-30^{\circ}53'15''$ (J2000)
 $l: 357.69$ $b: 0.02$

DATE: 1979/265 - 1979/266
 LIVETIME: 2239.5s
 ROLL ANGLE: 87.0°

NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 111 4 -5

FIELD CENTER: $17^{\text{h}}36^{\text{m}}45.3^{\text{s}}$ $68^{\circ}39'23''$ (B1950)
 $17^{\text{h}}36^{\text{m}}29.2^{\text{s}}$ $68^{\circ}37'41''$ (J2000)
 $l: 98.94$ $b: 31.93$

DATE: 1980/147 - 1980/147
 LIVETIME: 744.9s
 ROLL ANGLE: -19.3°

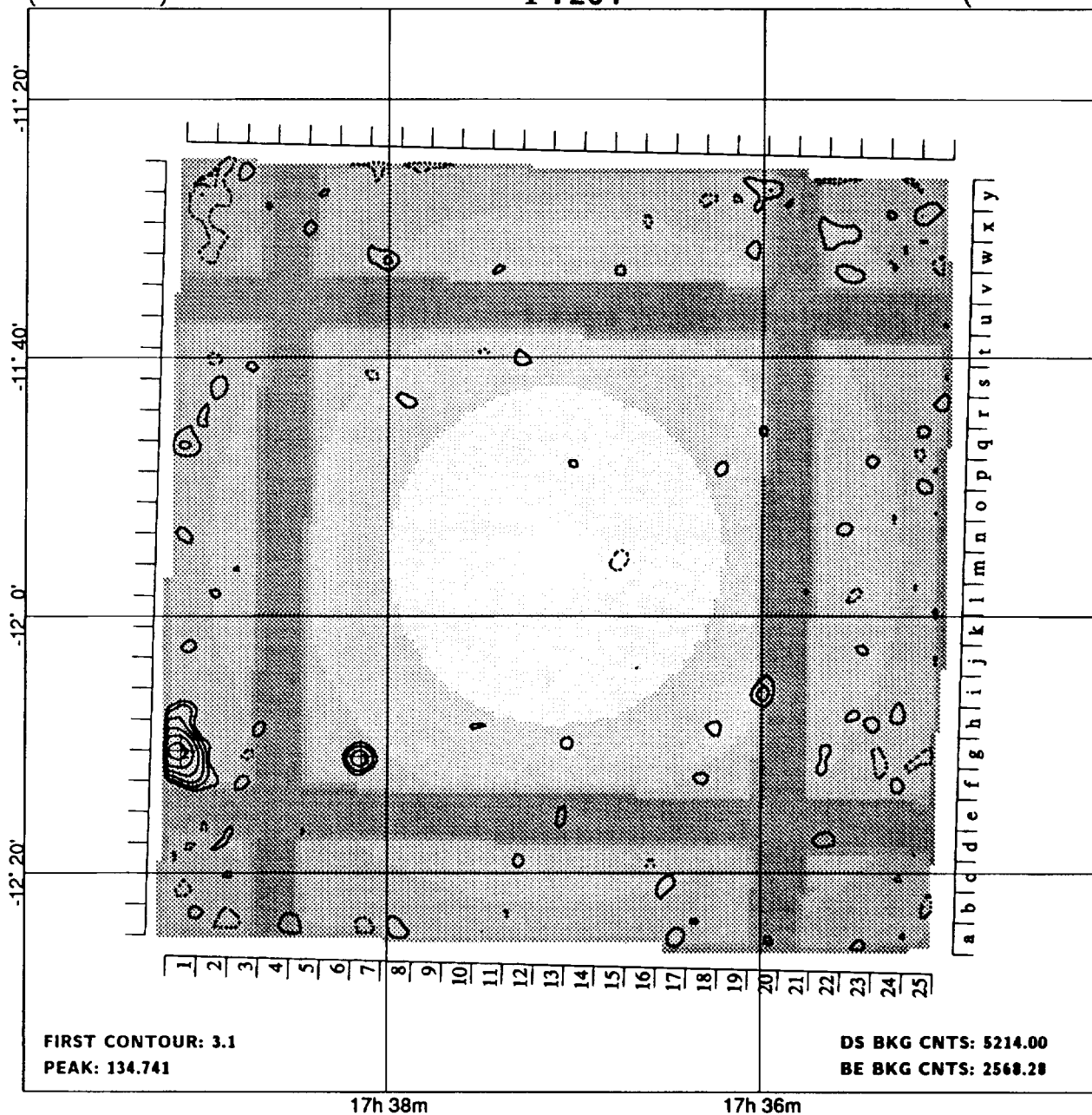
NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3931	1	17 37 13.2	68 47 04	41	0.123	0.016	63.1	2.9	7.8	1.4	0	8.4	AH	S

(17h 37m)

I 7264

(17h 37m)



SS 94, STRONG EMISSION LINE STAR

FIELD CENTER: $17^{\text{h}}37^{\text{m}}03.9^{\text{s}}$ $-11^{\circ}55'02''$ (B1950)
 $17^{\text{h}}39^{\text{m}}51.8^{\text{s}}$ $-11^{\circ}56'36''$ (J2000)
 ℓ : 13.89 b : 9.97

DATE: 1981/ 92 - 1981/ 92
 LIVETIME: 4225.1s
 ROLL ANGLE: -88.7°

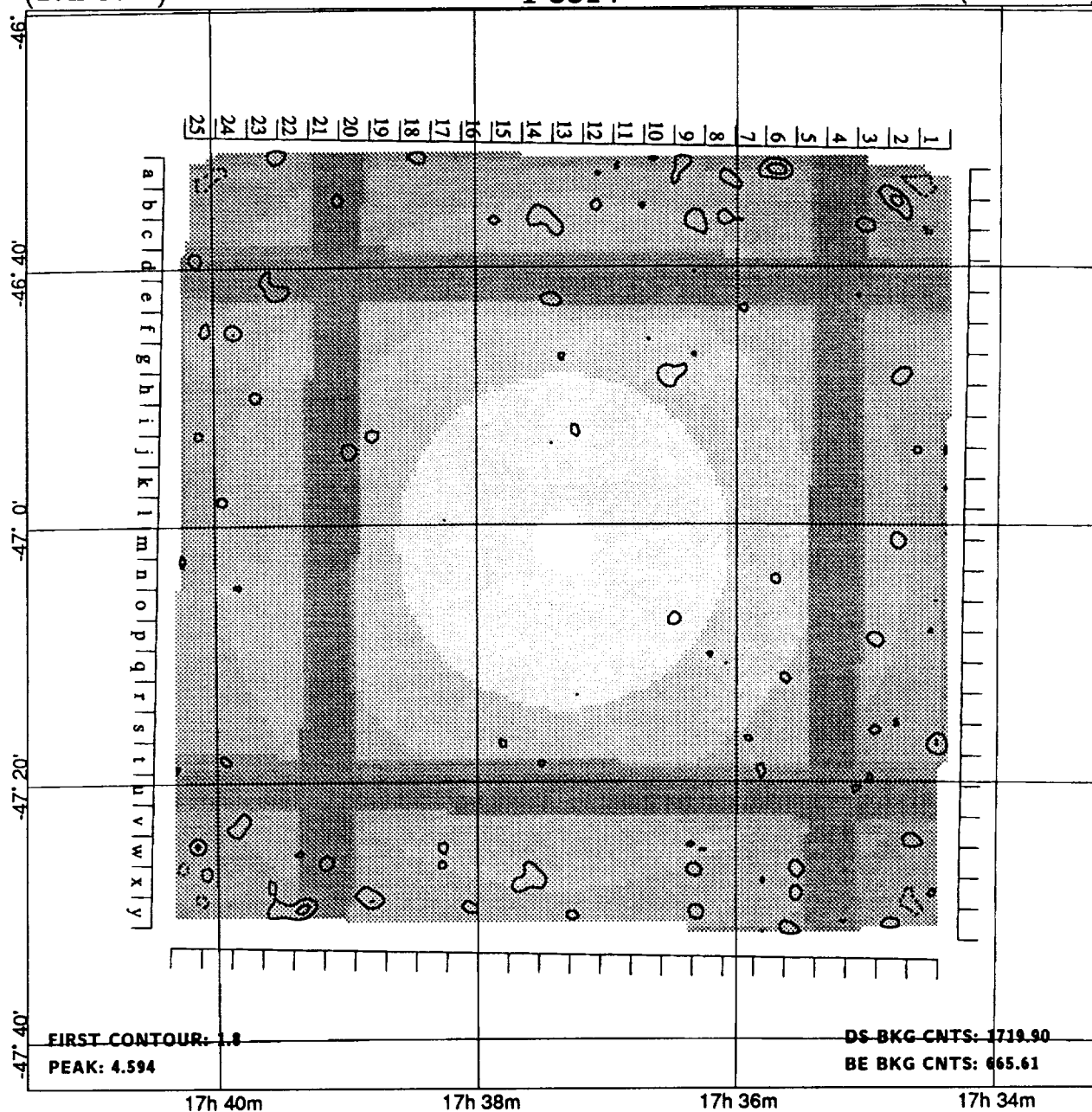
NH: $2.1\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3932	1L	17 38 08.5	-12 10 56	50	0.0202	0.0040	41.3	8.7	4.9	0.7	0	22.3	
3933	2L	17 39 06.0	-12 10 27	47	*0.126	0.013	222.6	32.4	9.7	1.2	703	33.6	I

(17h 37m)

I 3314

(17h 37m)



SYMBIOTIC STARS: AE ARA

FIELD CENTER: $17^{\text{h}}37^{\text{m}}19.5^{\text{s}}$ $-47^{\circ}01'49''$ (B1950)
 $17^{\text{h}}41^{\text{m}}04.8^{\text{s}}$ $-47^{\circ}03'20''$ (J2000)
 $l: 344.00$ $b: -8.66$

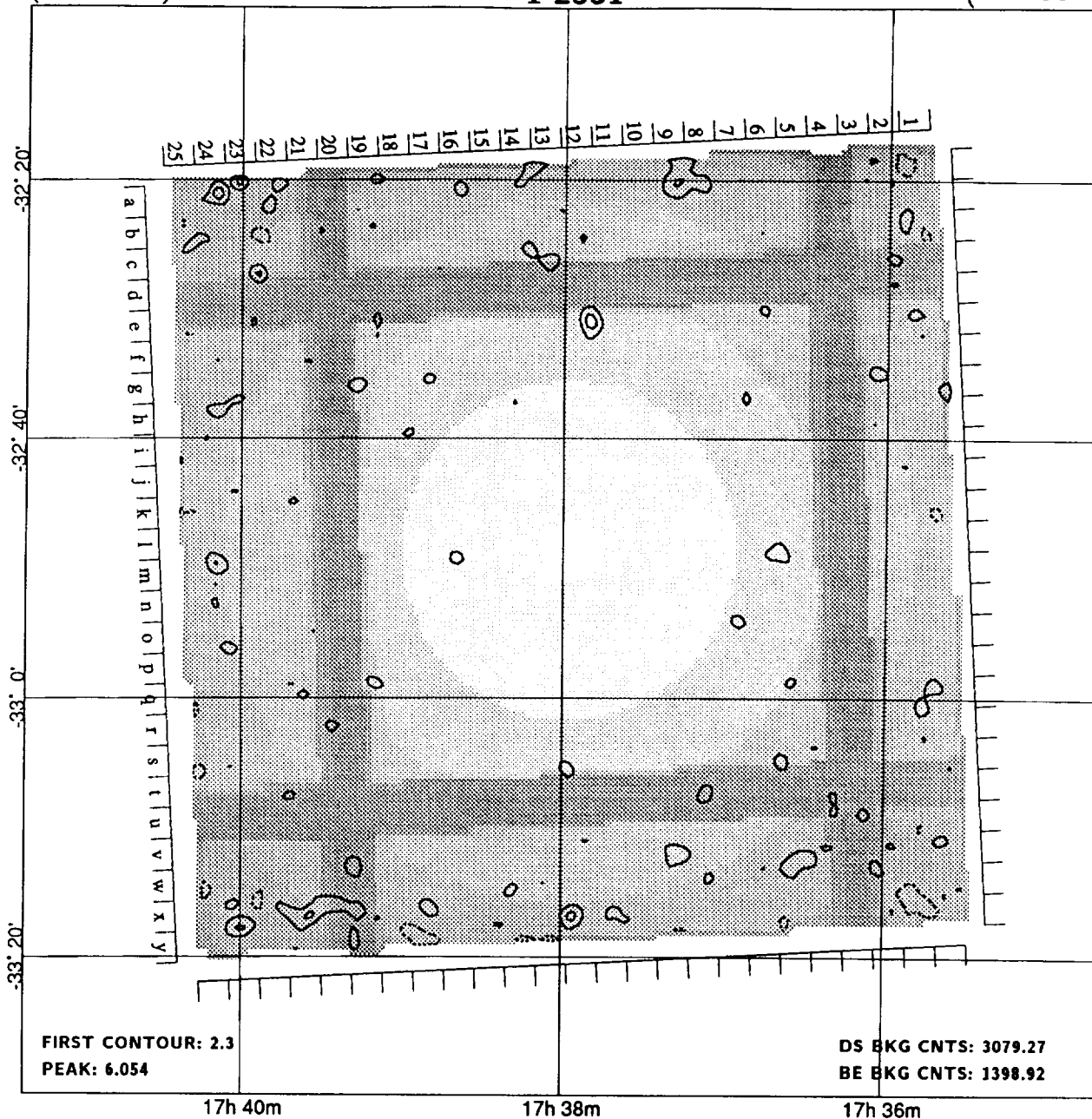
DATE: 1979/253 - 1979/253
 LIVETIME: 1393.7s
 ROLL ANGLE: 91.1°

NH: $1.2\text{E}+21$
 REF/ID: S
 FIELD FLAGS: L

(17h 38m)

I 2551

(17h 38m)

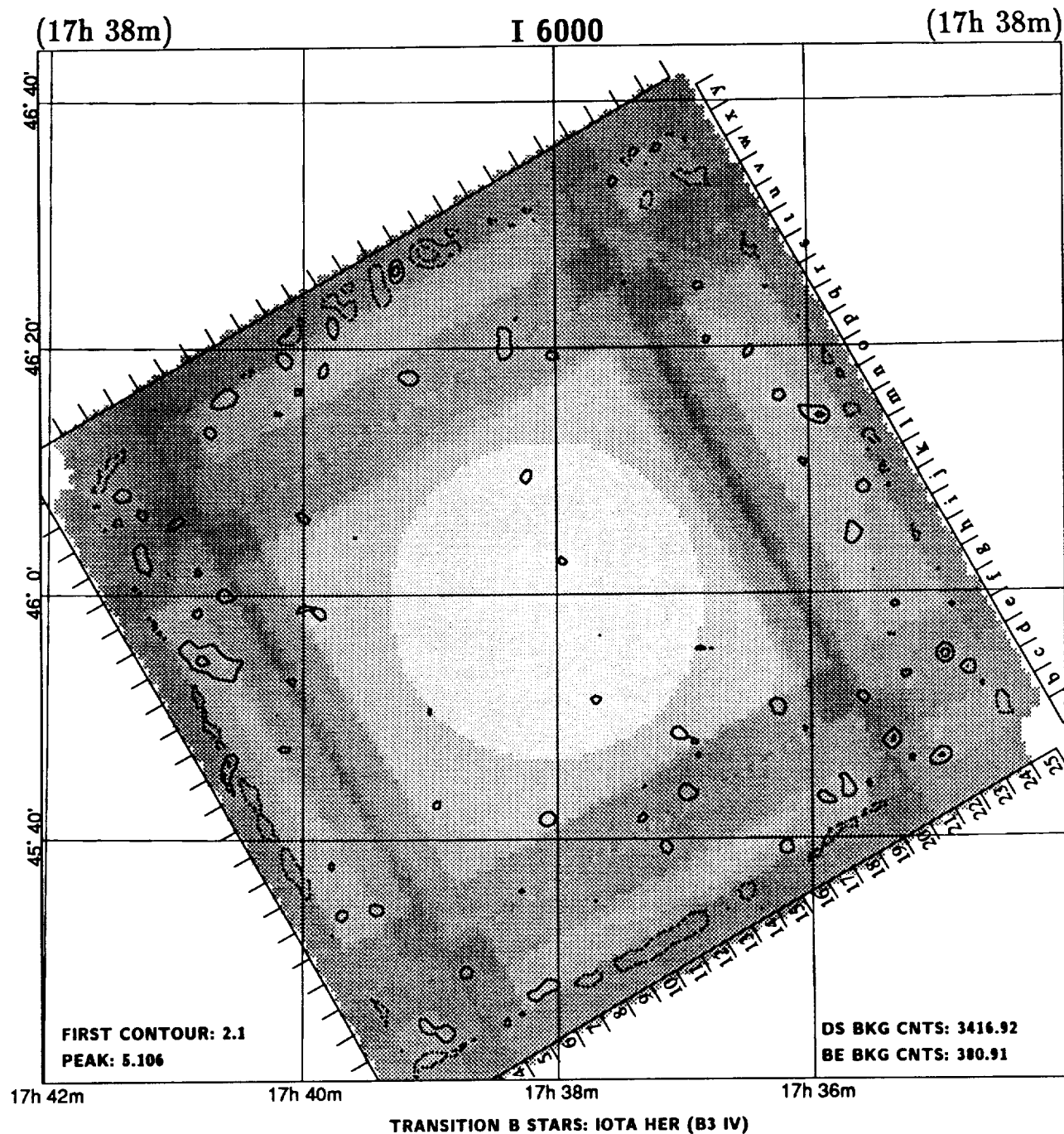


GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}38^{\text{m}}00.3^{\text{s}}$ $-32^{\circ}48'44''$ (B1950)
 $17^{\text{h}}41^{\text{m}}17.0^{\text{s}}$ $-32^{\circ}50'13''$ (J2000)
 $l: 356.19$ $b: -1.26$

DATE: 1979/265 - 1979/265
 LIVETIME: 2495.2s
 ROLL ANGLE: 87.1°

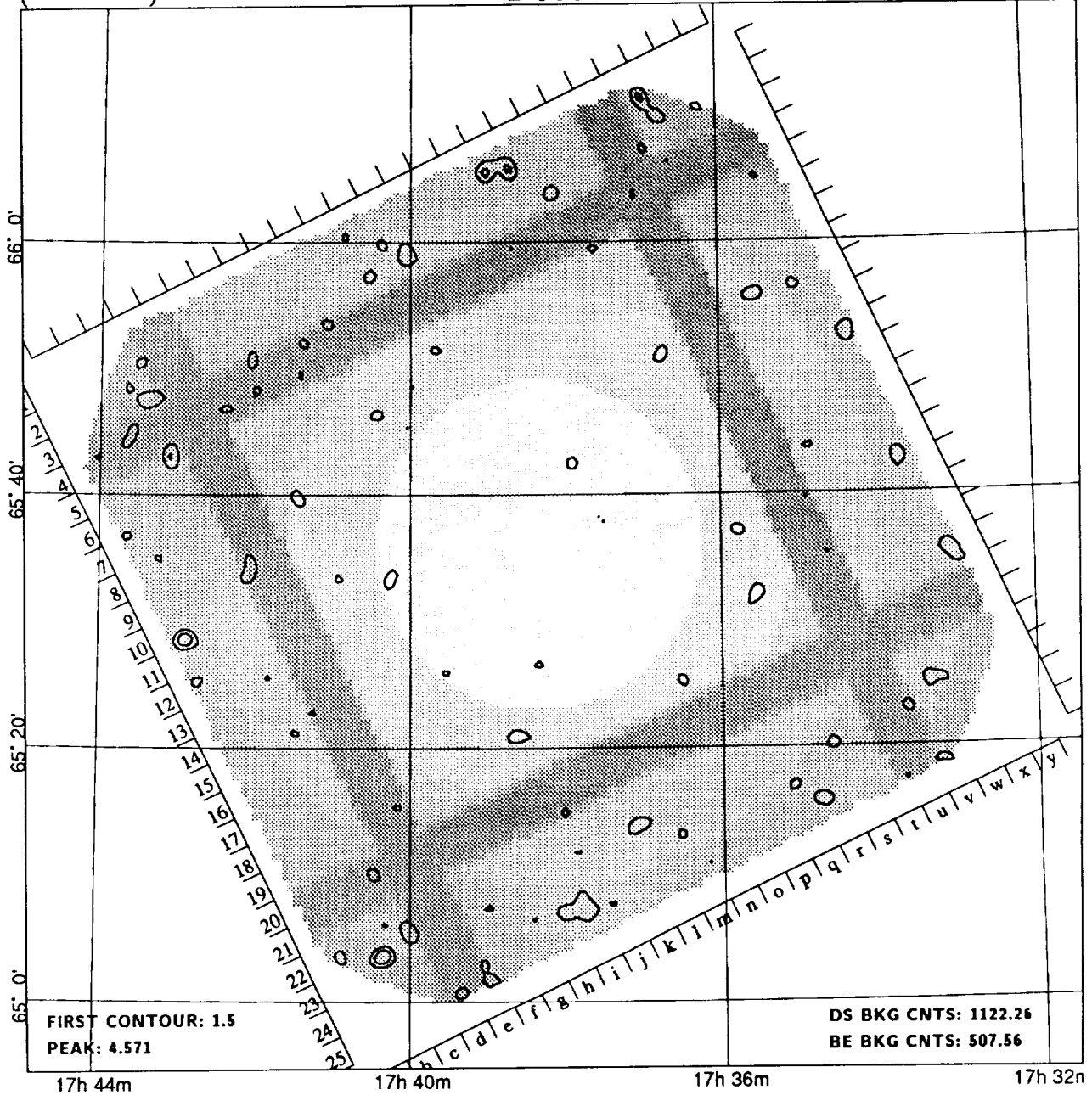
NH: $7.5\text{E}+21$
 REF/ID:
 FIELD FLAGS: L



(17h 38m)

I 8802

(17h 38m)

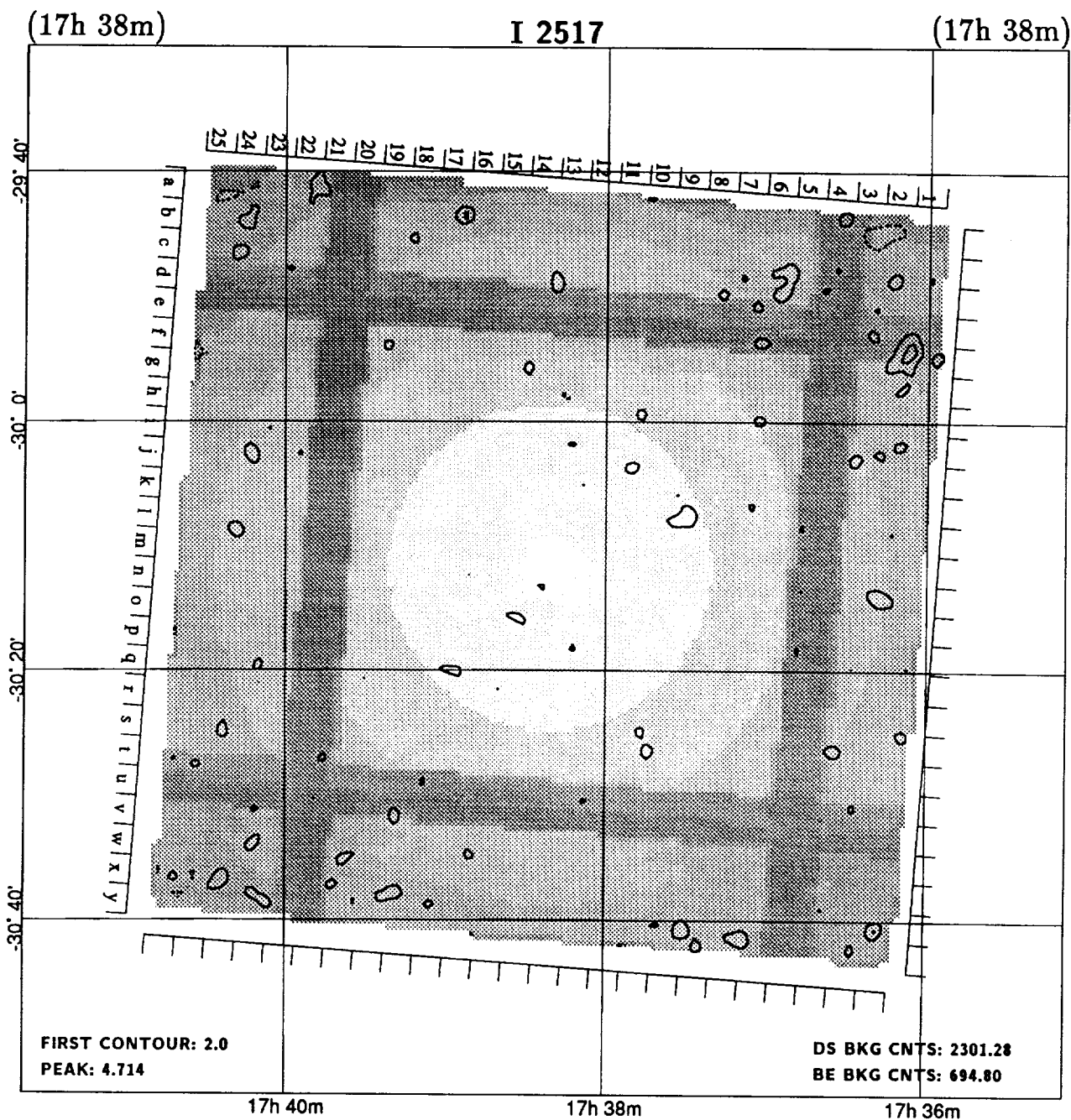


GSFC NEP SURVEY - FIELD # 69 -1 -4

FIELD CENTER: $17^{\text{h}}38^{\text{m}}11.2^{\text{s}}$ $65^{\circ}36'46''$ (B1950)
 $17^{\text{h}}38^{\text{m}}18.4^{\text{s}}$ $65^{\circ}35'11''$ (J2000)
 $l: 95.35$ $b: 32.05$

DATE: 1980/148 - 1980/148
 LIVETIME: 909.4s
 ROLL ANGLE: -25.7°

NH: $3.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

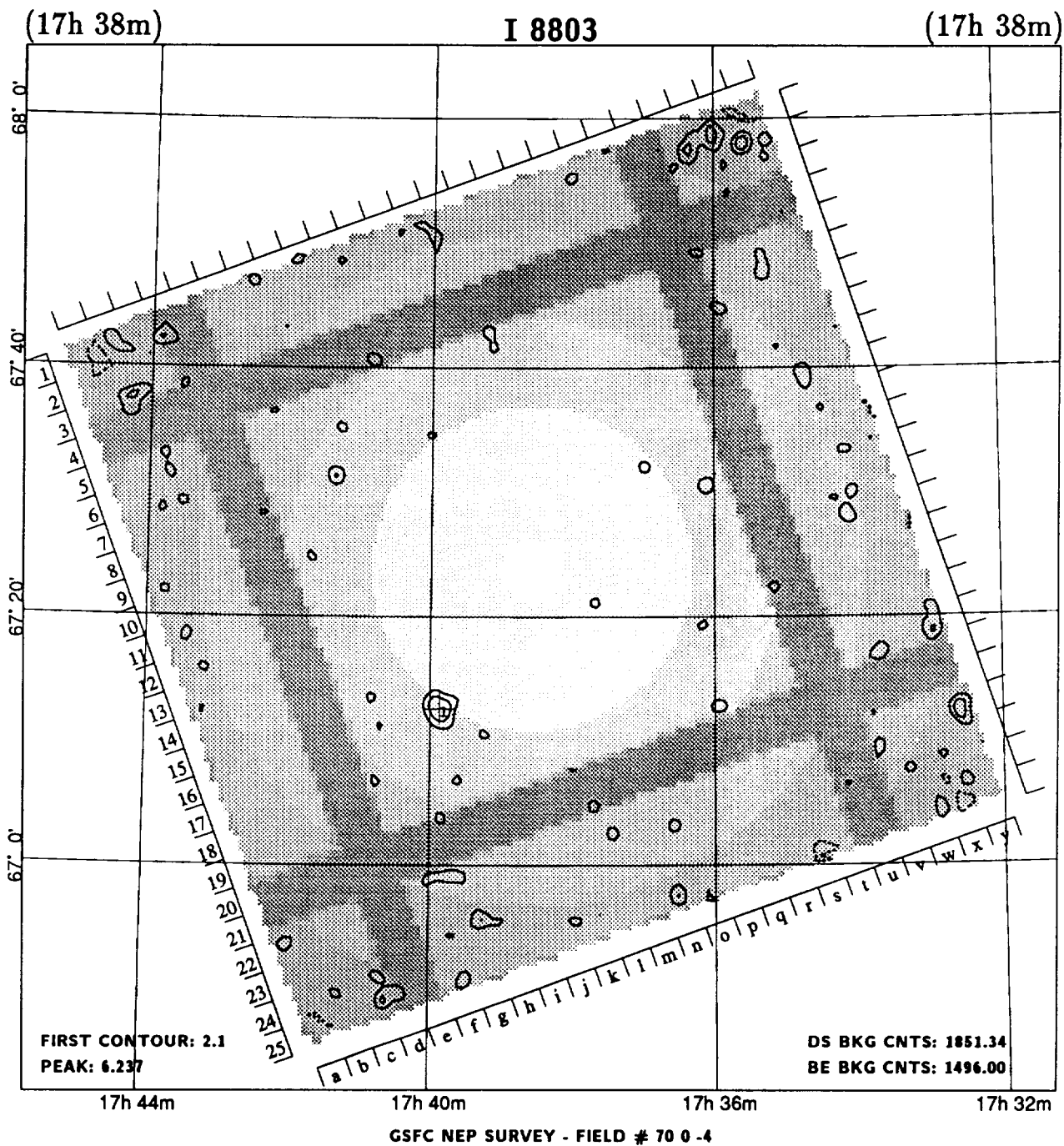


GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}38^{\text{m}}22.5^{\text{s}}$ $-30^{\circ}12'02''$ (B1950)
 $17^{\text{h}}41^{\text{m}}35.1^{\text{s}}$ $-30^{\circ}13'30''$ (J2000)
 l : 358.44 b : 0.07

DATE: 1979/264 - 1979/264
 LIVETIME: 1864.8s
 ROLL ANGLE: 94.1°

NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS: L



FIELD CENTER: 17^h38^m28.0^s 67°23'58" (B1950)
 17^h38^m22.1^s 67°22'24" (J2000)
 l : 97.45 b : 31.88

DATE: 1980/148 - 1980/148
 LIVETIME: 1500.2s
 ROLL ANGLE: -19.7°

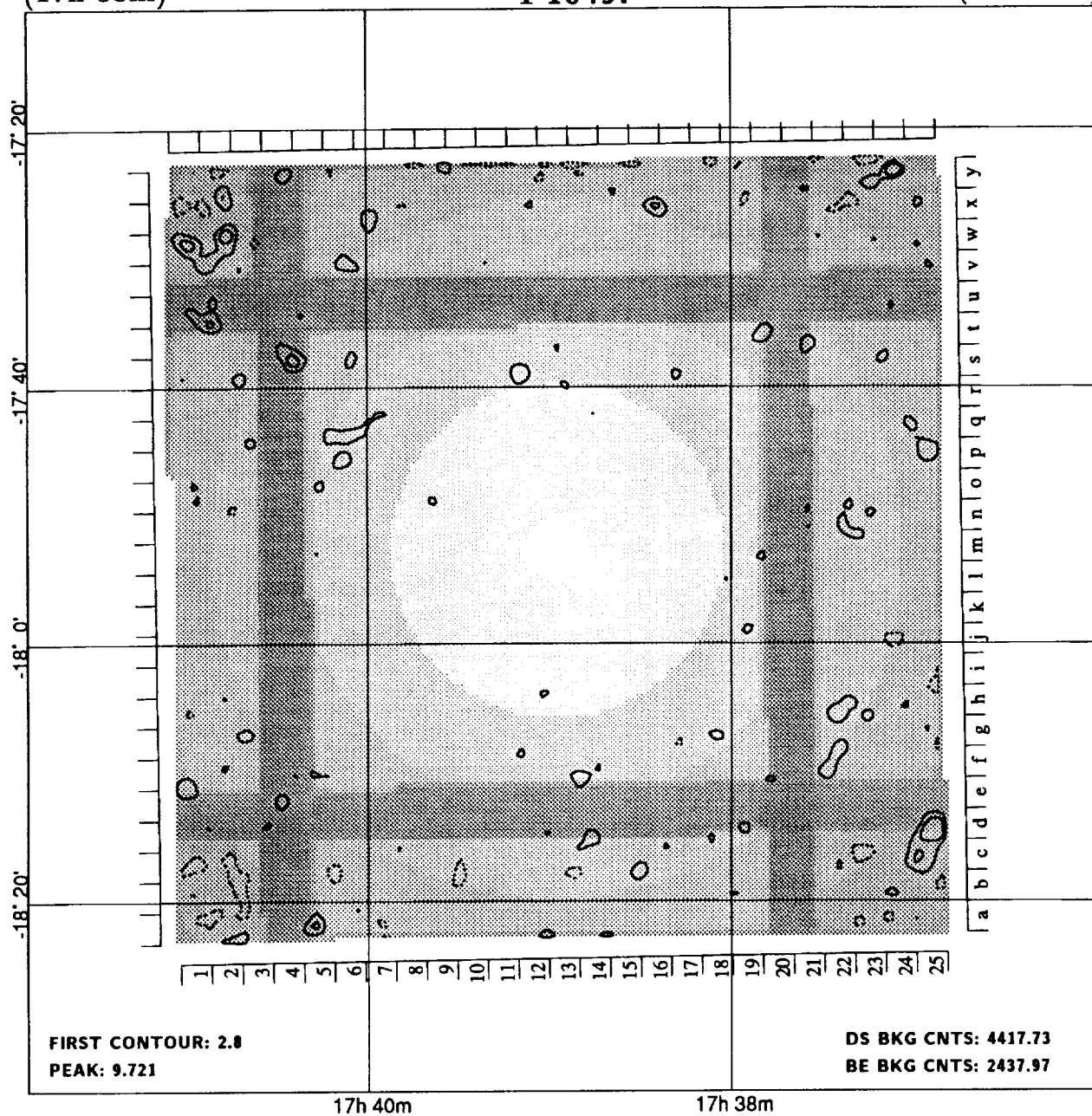
NH: 4.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3937	1	17 39 52.1	67 12 36	43	0.0275	0.0062	25.4	7.6	4.4	0.8	0	13.6	H	

(17h 38m)

I 10497

(17h 38m)



HD 160641, HE STAR

FIELD CENTER: $17^{\text{h}}38^{\text{m}}54.8^{\text{s}}$ $-17^{\circ}52'44''$ (B1950)
 $17^{\text{h}}41^{\text{m}}50.1^{\text{s}}$ $-17^{\circ}54'10''$ (J2000)
 ℓ : 8.98 b : 6.49

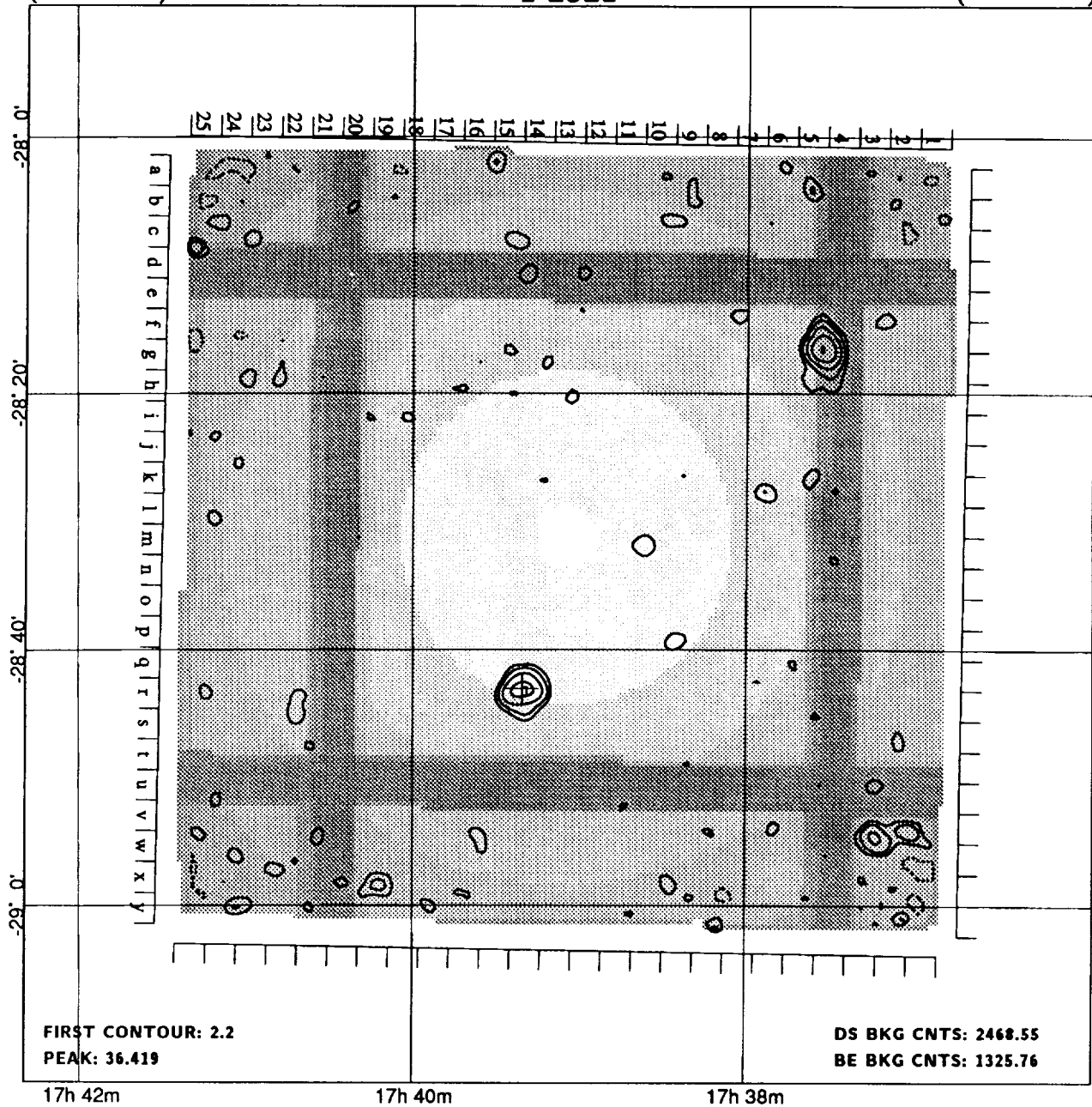
DATE: 1981/ 89 - 1981/ 90
 LIVETIME: 3579.8s
 ROLL ANGLE: -90.7°

NH: $2.6\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 39m)

I 2521

(17h 39m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}39^{\text{m}}07.5^{\text{s}}$ $-28^{\circ}31'53''$ (B1950)
 $17^{\text{h}}42^{\text{m}}17.5^{\text{s}}$ $-28^{\circ}33'18''$ (J2000)
 $l: 359.94$ $b: 0.82$

DATE: 1979/265 - 1979/265
 LIVETIME: 2000.3s
 ROLL ANGLE: 90.9°

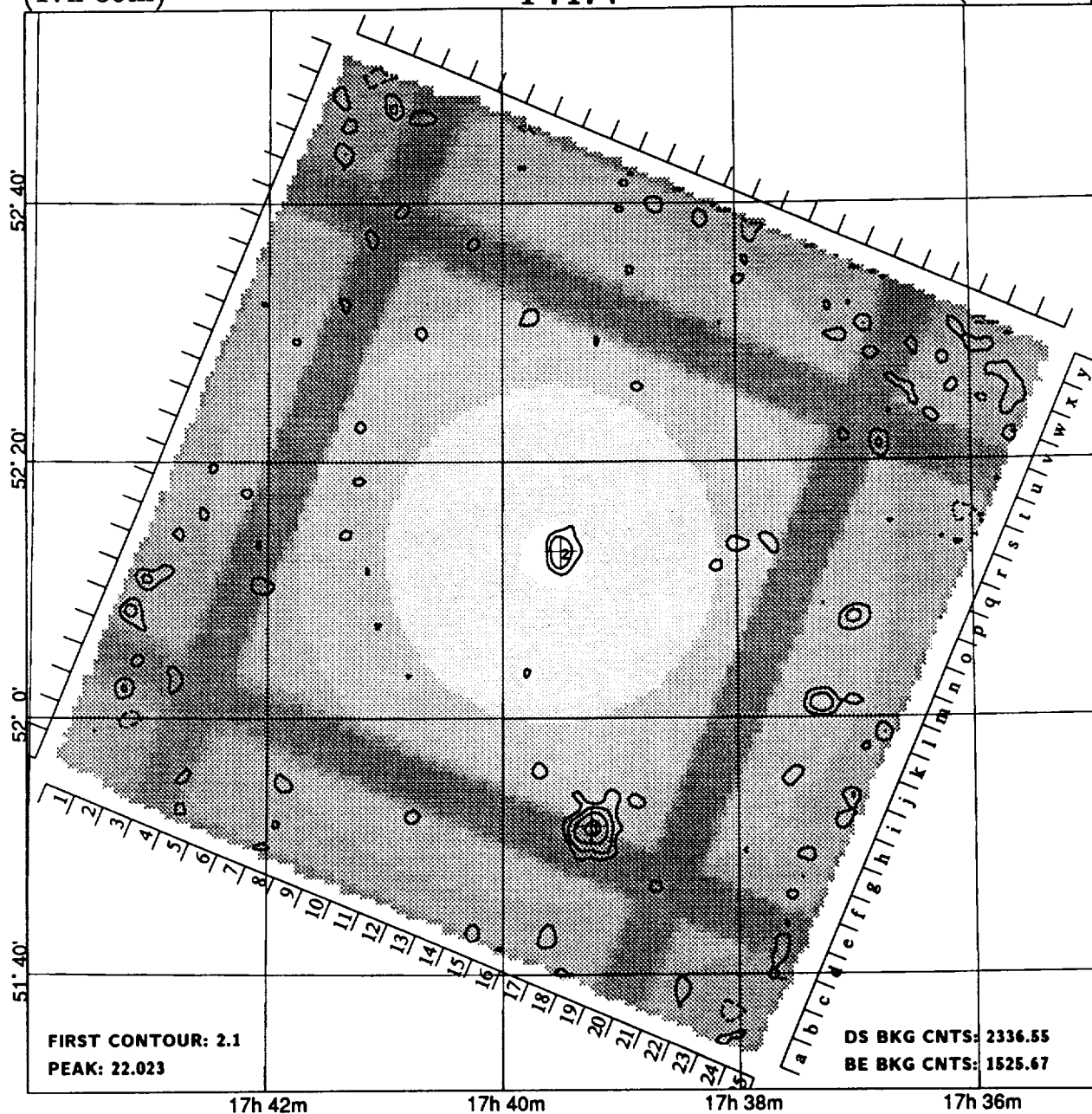
NH: $9.5\text{E}+21$
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3935	1L	17 39 20.5	-28 43 04	38	0.0582	0.0088	74.2	19.8	6.5	1.1	0	11.7	

(17h 39m)

I 7174

(17h 39m)



FIELD CENTER: $17^{\text{h}}39^{\text{m}}28.8^{\text{s}}$ $52^{\circ}13'09''$ (B1950)
 $17^{\text{h}}40^{\text{m}}36.7^{\text{s}}$ $52^{\circ}11'42''$ (J2000)
 $l: 79.56$ $b: 31.75$

DATE: 1980/ 99 - 1980/100
 LIVETIME: 1893.4s
 ROLL ANGLE: -67.3°

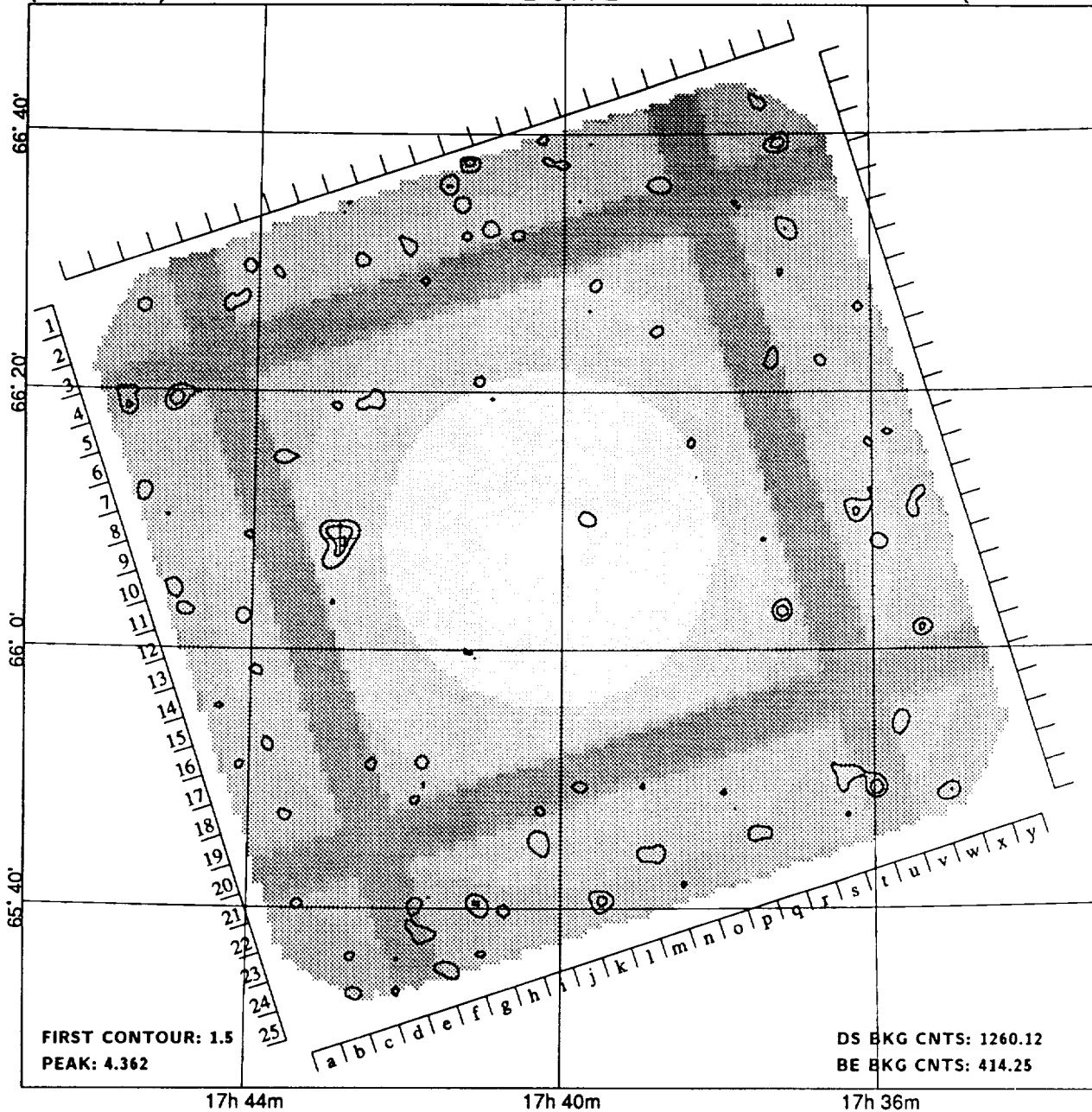
NH: $3.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3934	1	17 39 15.1	51 51 35	50	*0.0581	0.0082	54.0	4.0	7.1	1.2	905	21.6	H	AGN
3936	2	17 39 30.4	52 13 01	35	0.0217	0.0045	30.7	10.3	4.8	0.9	0	0.4	H	Q

(17h 40m)

I 8772

(17h 40m)



GSFC NEP SURVEY - FIELD # 39 -2 -3

FIELD CENTER: $17^h 40^m 01.8^s$ $66^\circ 08' 02''$ (B1950)
 $17^h 40^m 05.3^s$ $66^\circ 06' 35''$ (J2000)
 $l: 95.95$ $b: 31.82$

DATE: 1980/148 - 1980/148
 LIVETIME: 1021.1s
 ROLL ANGLE: -18.1°

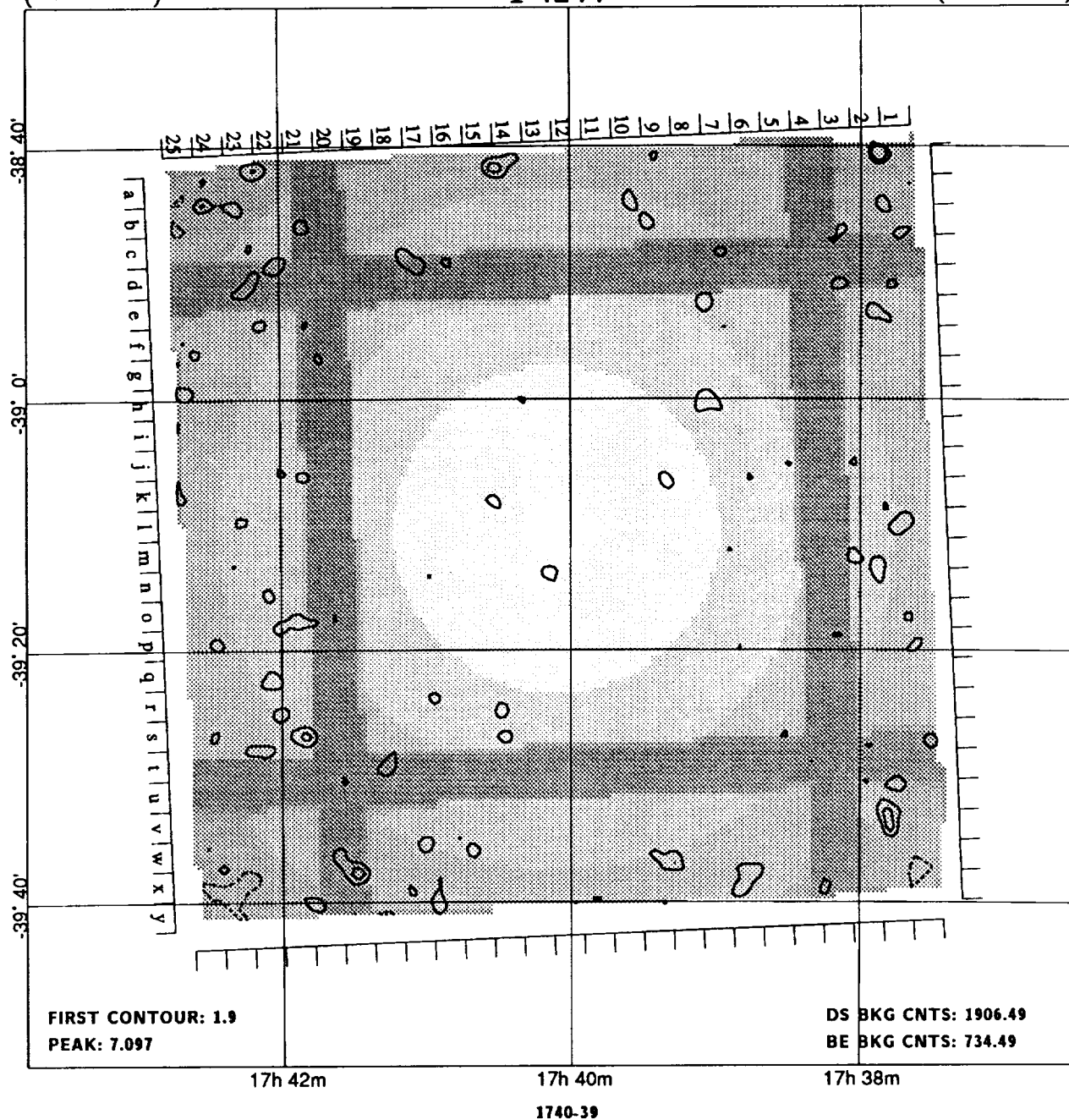
NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3942	1	17 42 53.1	66 08 34	55	0.0284	0.0077	16.4	3.6	3.7	1.1	0	17.8	H	

(17h 40m)

I 4244

(17h 40m)



FIELD CENTER: $17^h 40^m 07.8^s$ $-39^\circ 10' 59''$ (B1950)
 $17^h 43^m 35.9^s$ $-39^\circ 12' 18''$ (J2000)
 $l: 351.01$ $b: -4.99$

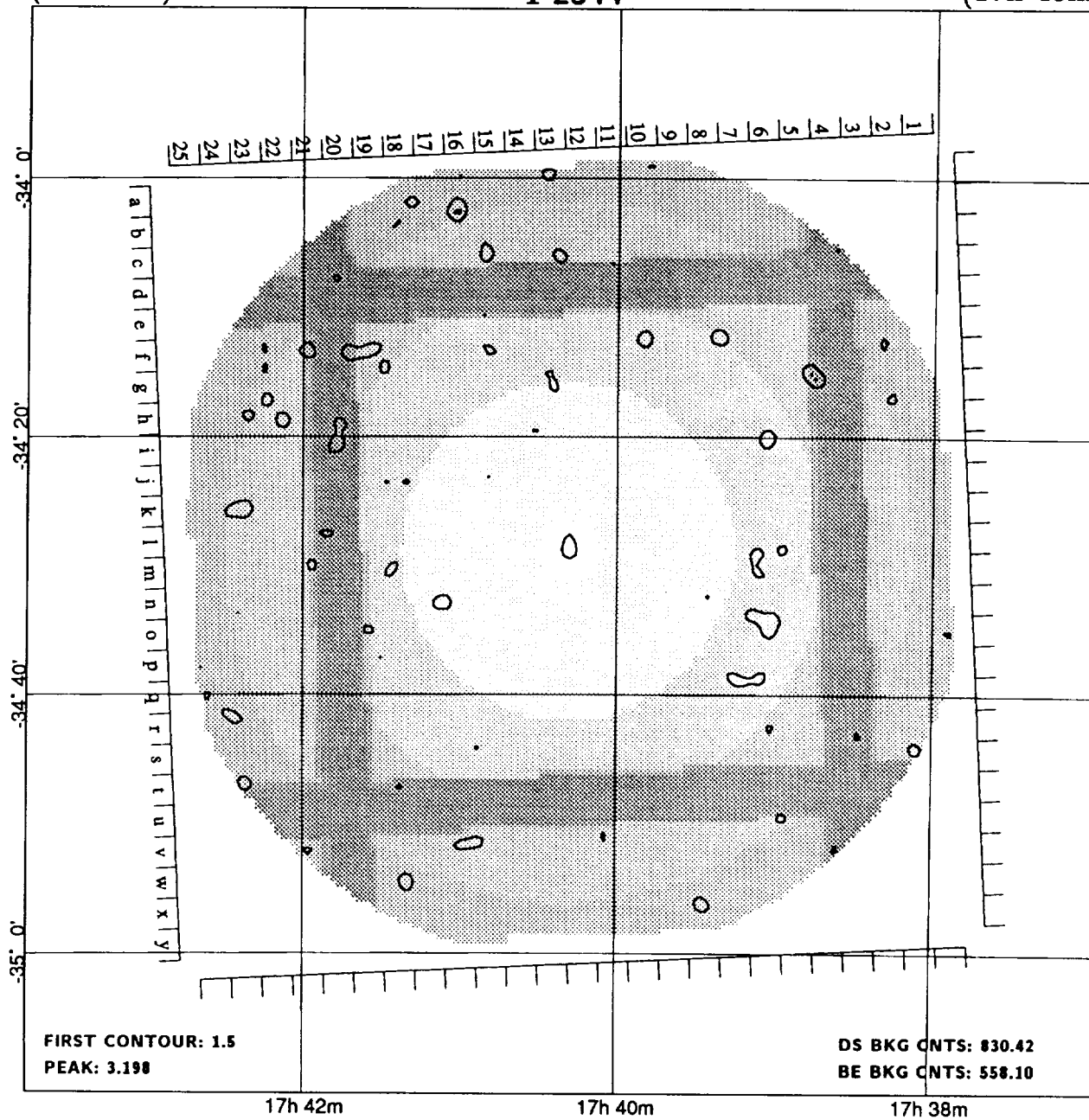
DATE: 1979/263 - 1979/263
LIVETIME: 1544.9s
ROLL ANGLE: 87.7°

NH: $2.9E+21$
REF/ID:
FIELD FLAGS: L

(17h 40m)

I 2544

(17h 40m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}40^{\text{m}}20.8^{\text{s}}$ $-34^{\circ}28'58''$ (B1950)
 $17^{\text{h}}43^{\text{m}}40.4^{\text{s}}$ $-34^{\circ}30'17''$ (J2000)
 $l: 355.03$ $b: -2.56$

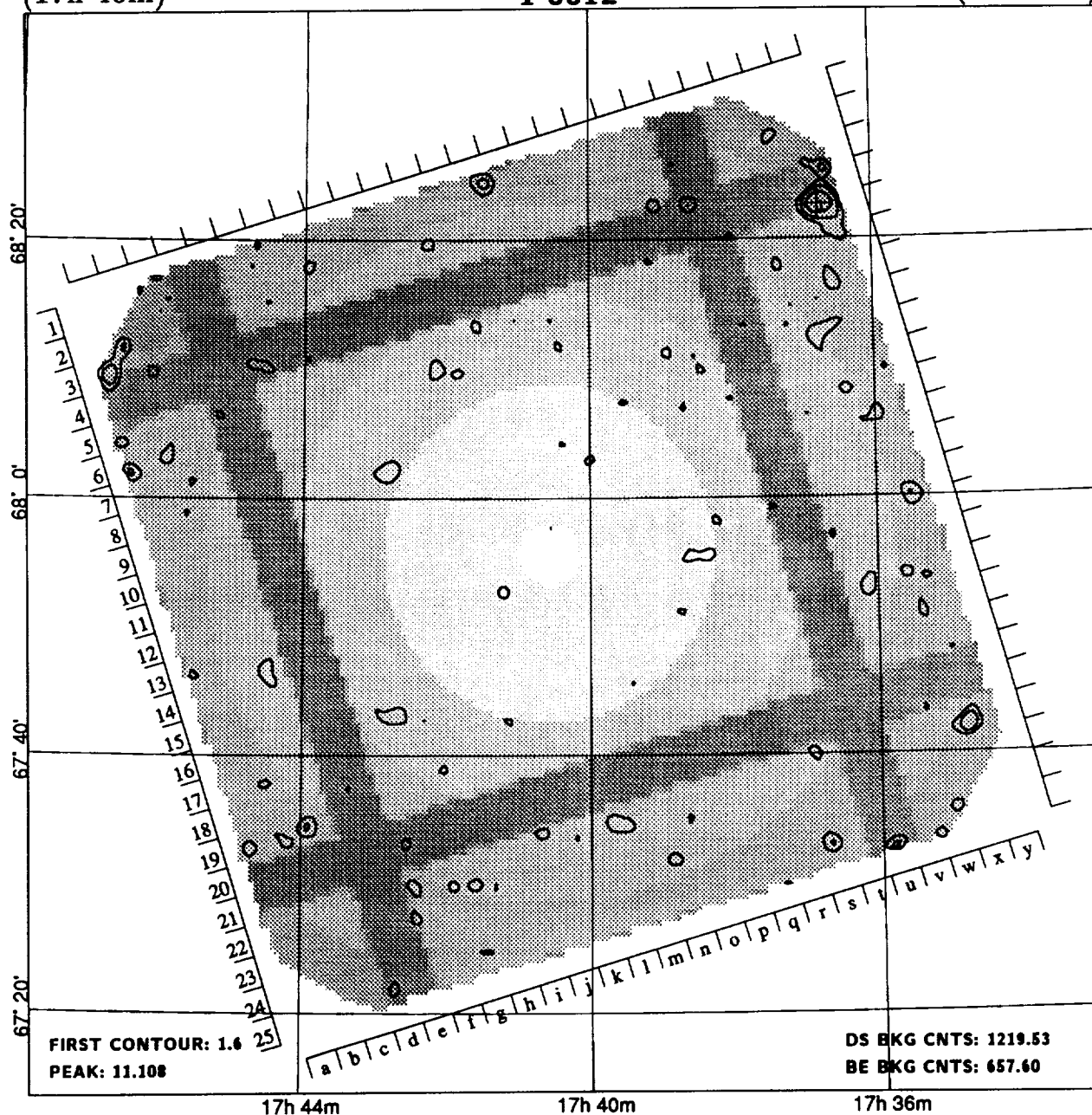
DATE: 1979/265 - 1979/265
 LIVETIME: 672.9s
 ROLL ANGLE: 87.3°

NH: $5.2\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 40m)

I 8812

(17h 40m)



GSFC NEP SURVEY - FIELD # 79 4 1

FIELD CENTER: 17^h40^m22.2^s 67°55'53" (B1950)
 17^h40^m11.9^s 67°54'27" (J2000)
 l : 98.05 b : 31.66

DATE: 1980/150 - 1980/150
 LIVETIME: 988.2s
 ROLL ANGLE: -16.8°

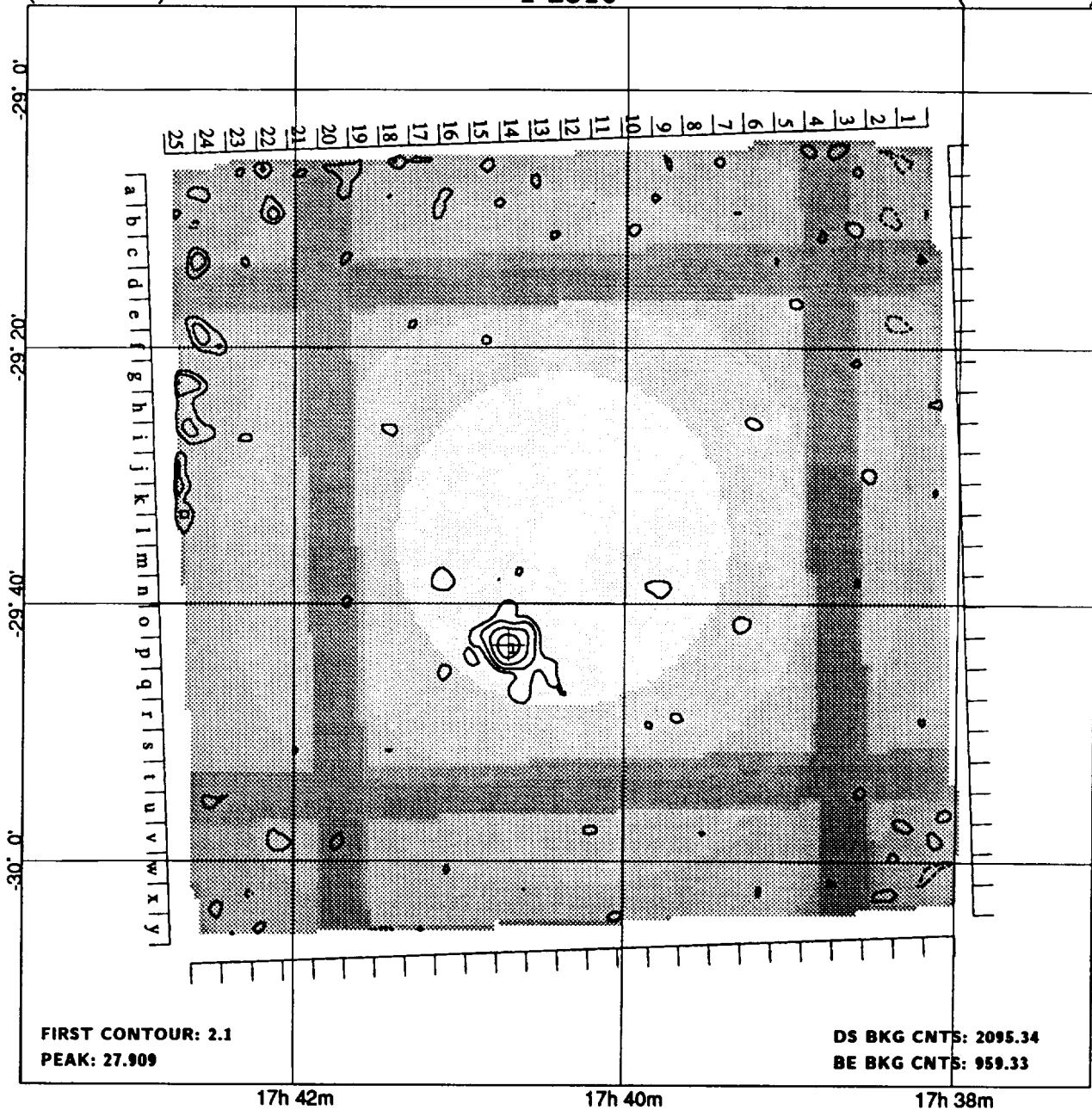
NH: 4.4E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3930	1	17 36 45.5	68 22 38	55	*0.058	0.015	15.9	2.1	3.7	1.1	1008	33.4		S

(17h 40m)

I 2516

(17h 40m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}40^{\text{m}}24.3^{\text{s}}$ $-29^{\circ}35'29''$ (B1950)
 $17^{\text{h}}43^{\text{m}}35.9^{\text{s}}$ $-29^{\circ}36'48''$ (J2000)
 $l: 359.19$ $b: 0.02$

DATE: 1979/264 - 1979/264
 LIVETIME: 1697.9s
 ROLL ANGLE: 87.8°

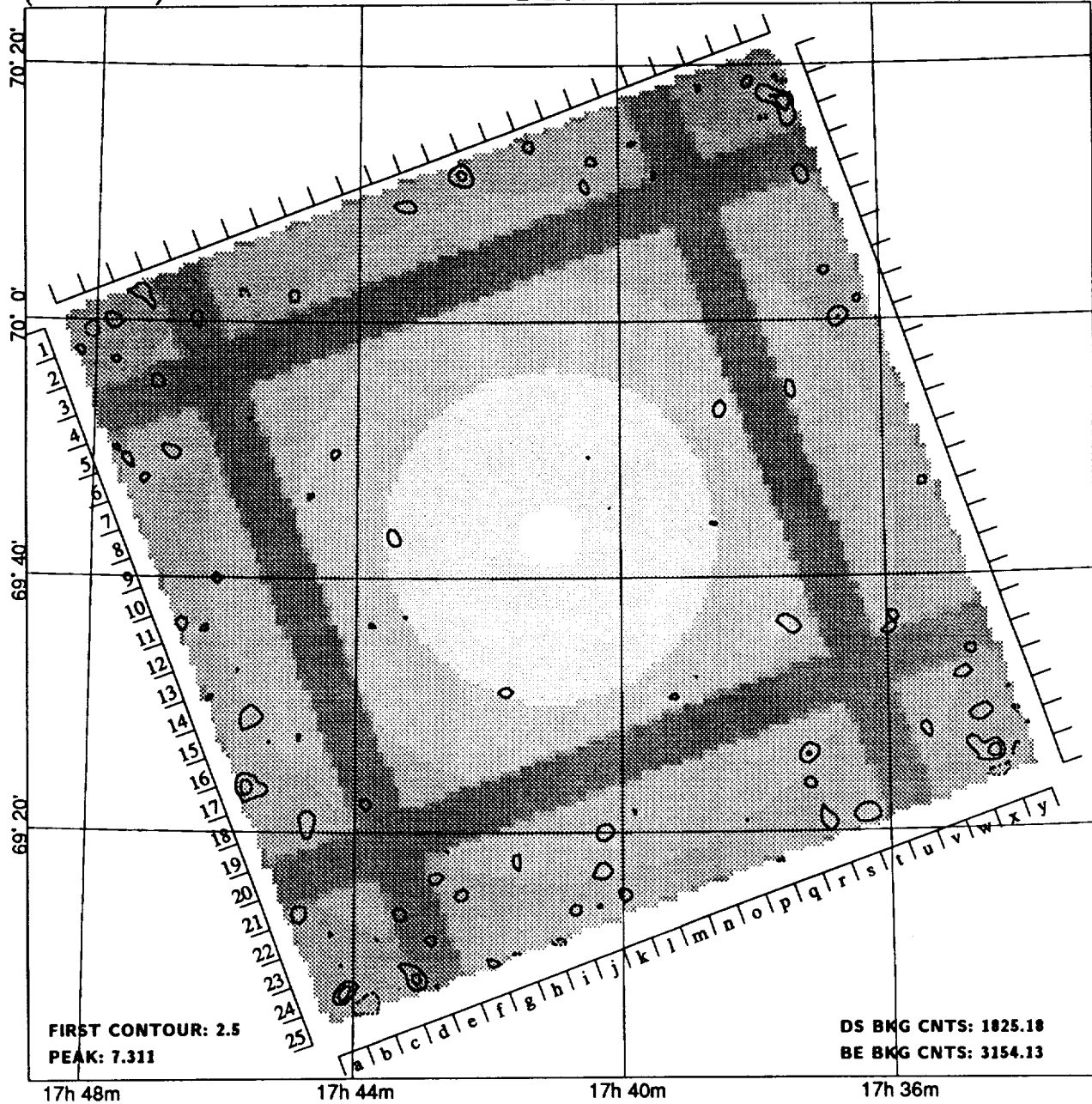
NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3938	1L	17 40 42.1	-29 43 11	38	0.069	0.010	78.5	24.5	6.5	1.4	0	8.7		

(17h 40m)

I 10774

(17h 40m)



GSFC NEP SURVEY - NEW FIELD

FIELD CENTER: $17^{\text{h}}40^{\text{m}}54.6^{\text{s}}$ $69^{\circ}42'53''$ (B1950)
 $17^{\text{h}}40^{\text{m}}28.4^{\text{s}}$ $69^{\circ}41'29''$ (J2000)
 ℓ : 100.13 b : 31.45

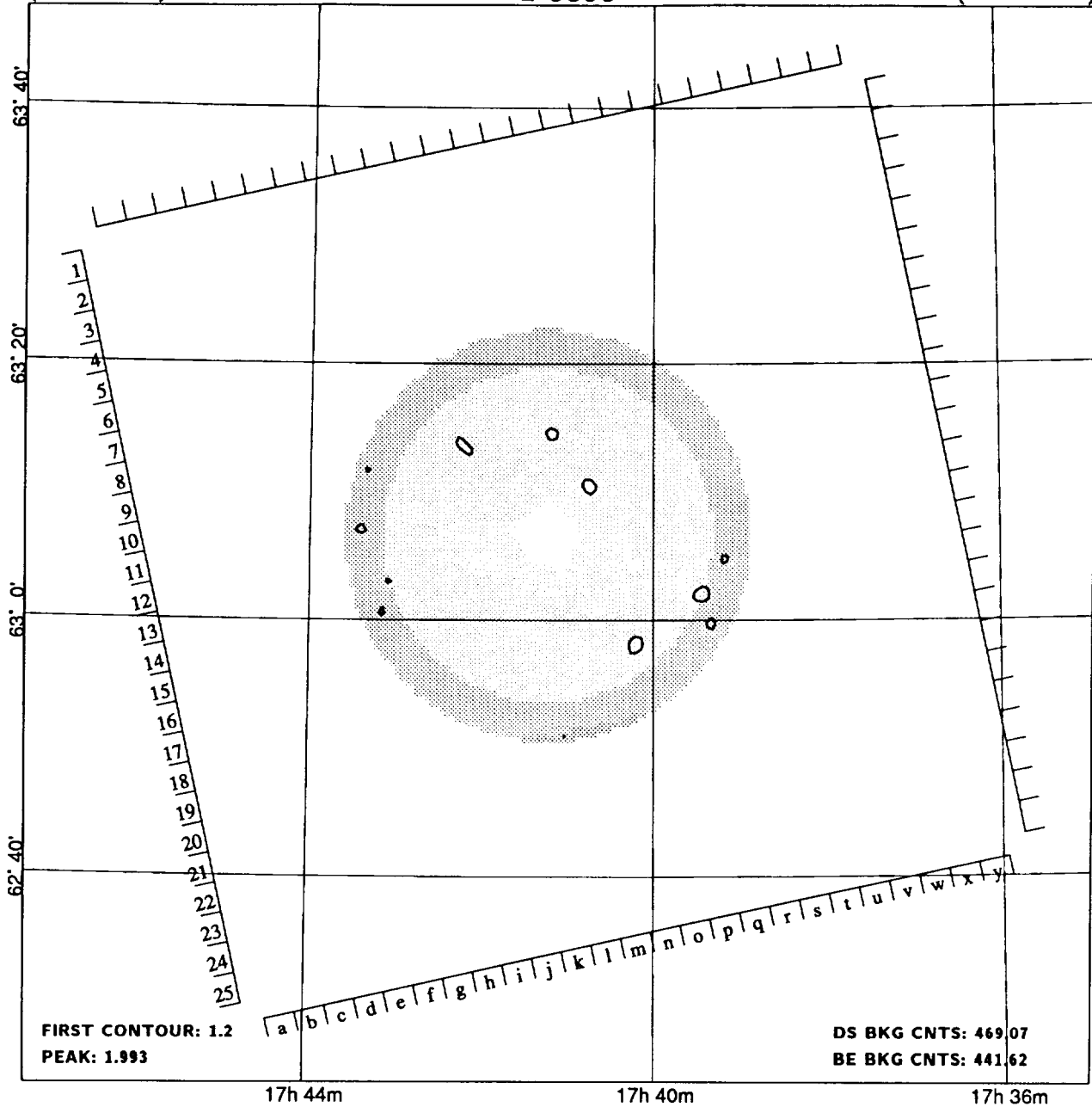
DATE: 1980/148 - 1980/149
 LIVETIME: 1479.0s
 ROLL ANGLE: -20.3°

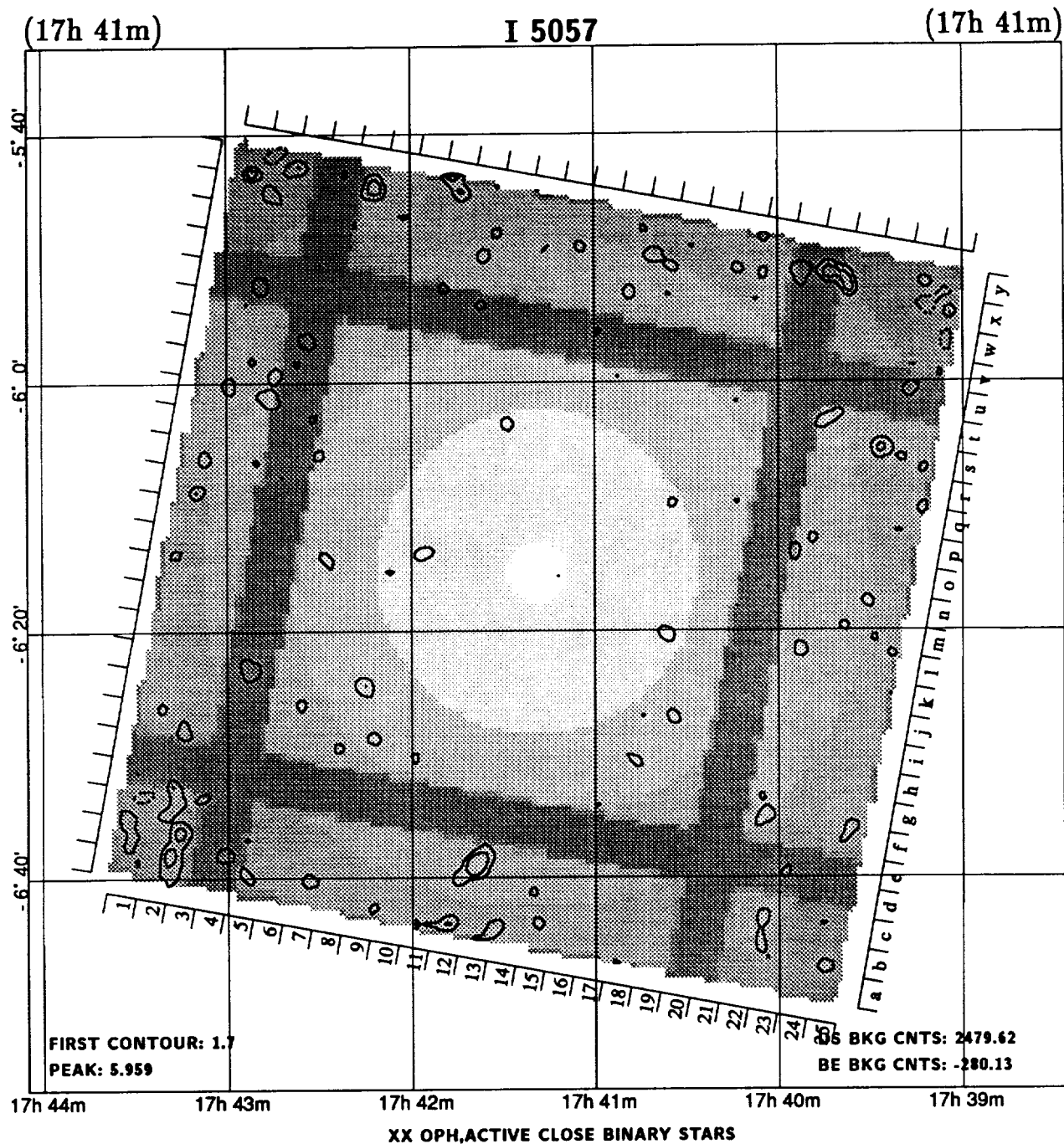
NH: $3.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(17h 41m)

I 8899

(17h 41m)





FIELD CENTER: $17^{\text{h}}41^{\text{m}}15.8^{\text{s}}$ $-06^{\circ}14'59''$ (B1950)
 $17^{\text{h}}43^{\text{m}}56.9^{\text{s}}$ $-06^{\circ}16'15''$ (J2000)
 $l: 19.41$ $b: 11.94$

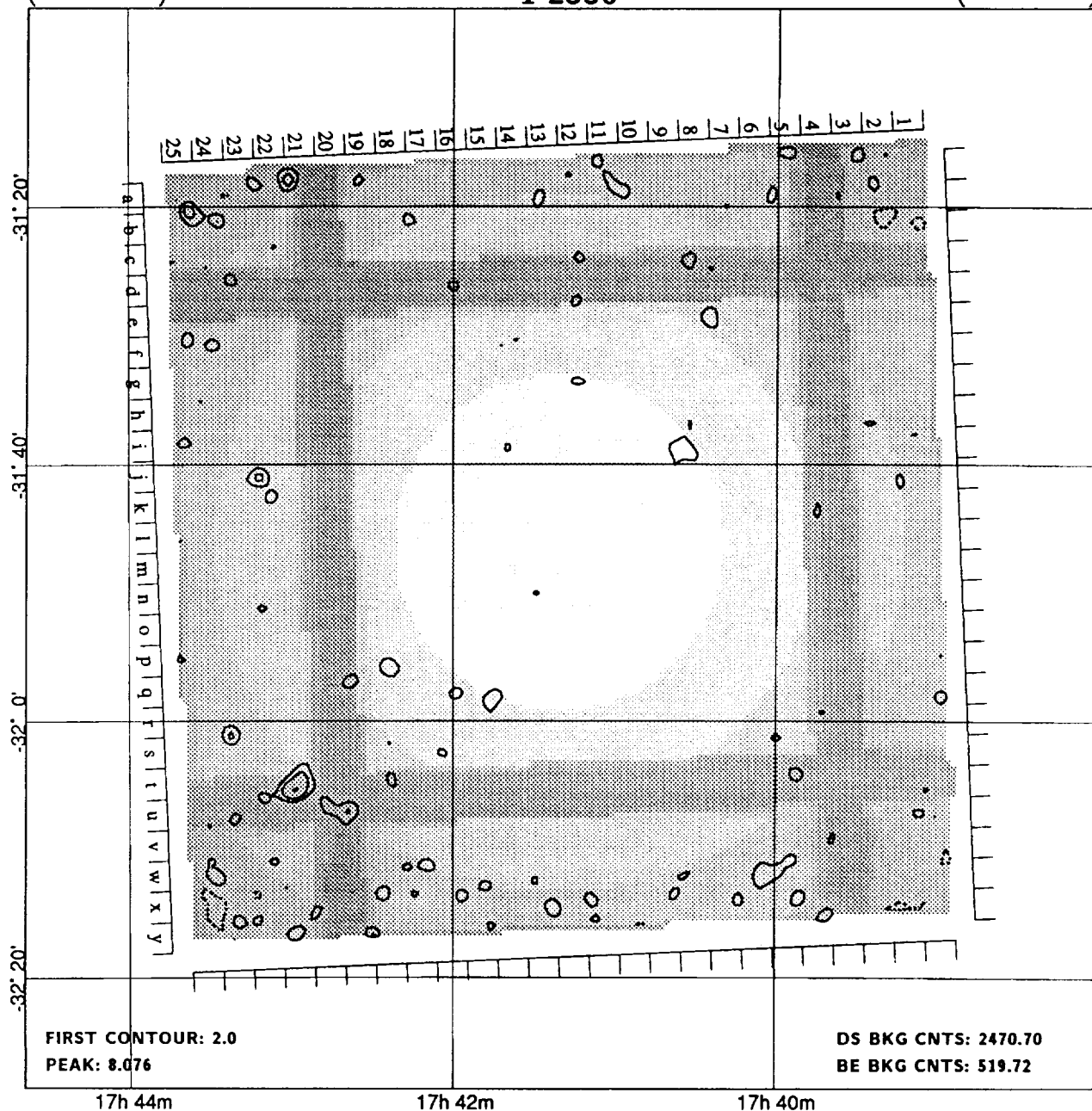
DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 2081.5s
 ROLL ANGLE: -79.6°

NH: $2.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(17h 41m)

I 2550

(17h 41m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^h 41^m 20.3^s$ $-31^\circ 46' 43''$ (B1950)
 $17^h 44^m 35.4^s$ $-31^\circ 47' 58''$ (J2000)
 $l: 357.44$ $b: -1.30$

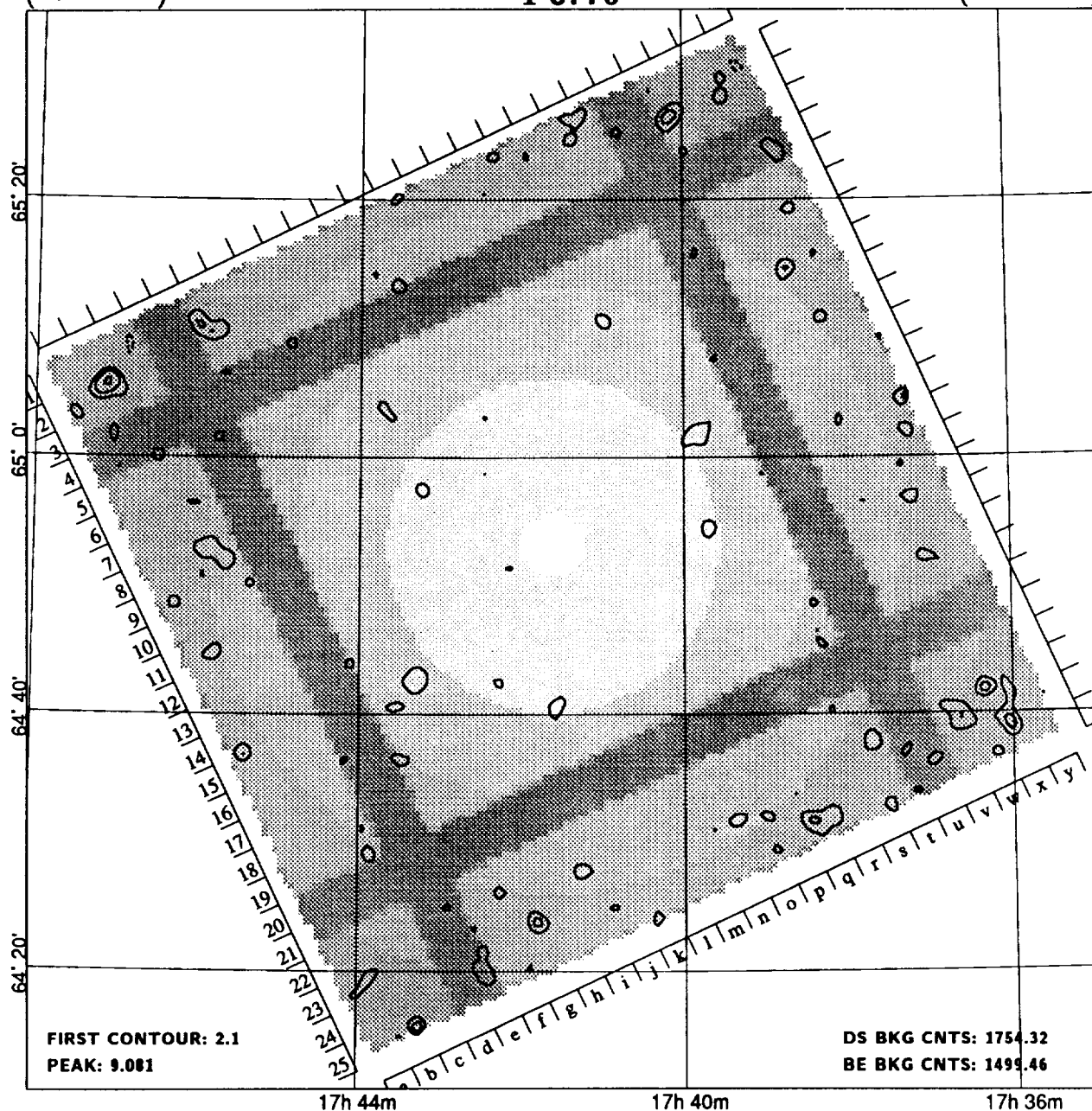
DATE: 1979/266 - 1979/266
 LIVETIME: 2002.1s
 ROLL ANGLE: 87.5°

NH: $9.4E+21$
 REF/ID: S
 FIELD FLAGS:

(17h 41m)

I 8770

(17h 41m)



17h 44m

17h 40m

17h 36m

GSFC NEP SURVEY - FIELD # 37 -3 -2

FIELD CENTER: $17^h 41^m 29.2^s$ $64^\circ 52' 53''$ (B1950)
 $17^h 41^m 41.0^s$ $64^\circ 51' 33''$ (J2000)
 $l: 94.47$ $b: 31.74$

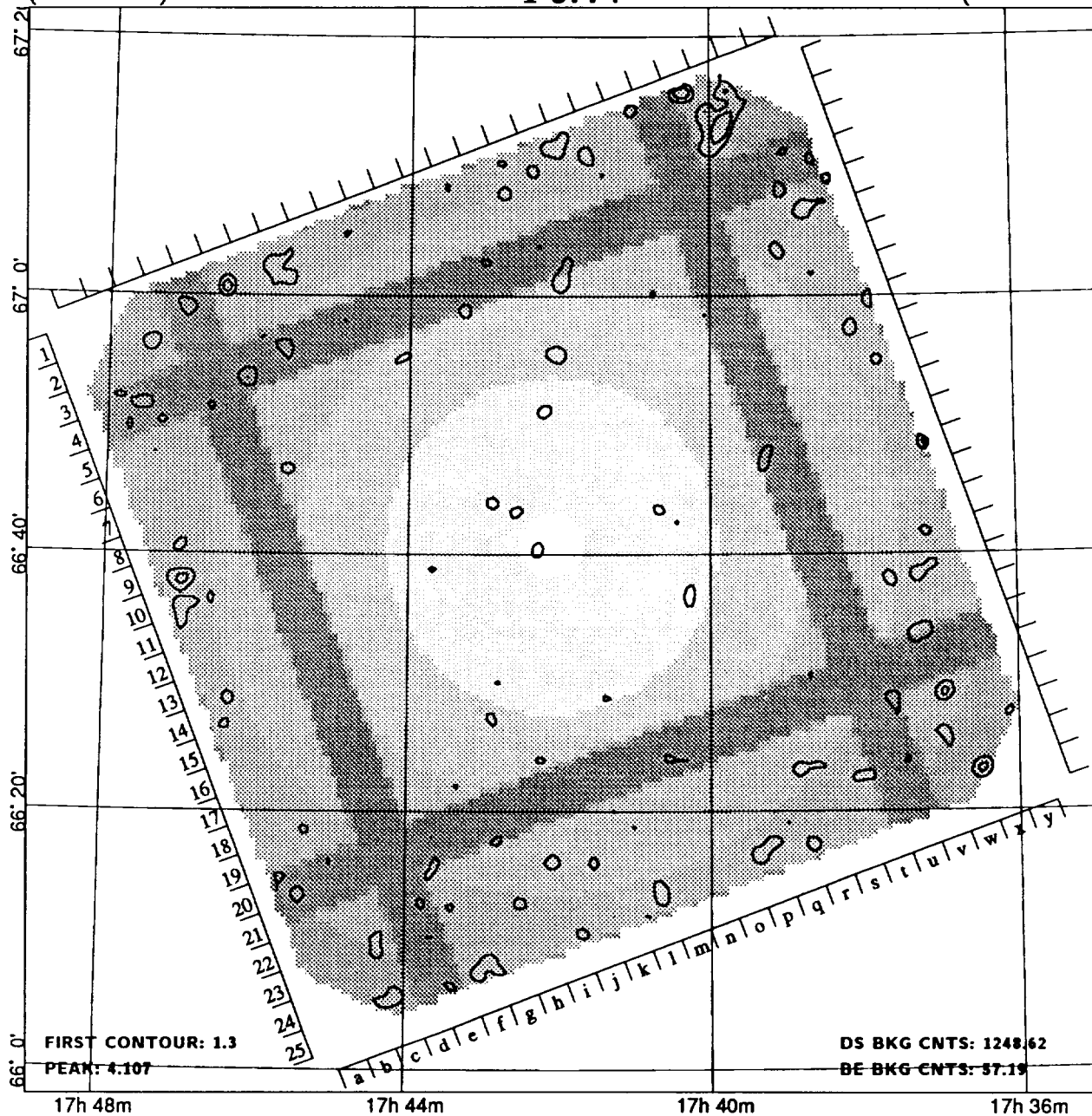
DATE: 1980/148 - 1980/148
LIVETIME: 1421.6s
ROLL ANGLE: -25.2°

NH: $3.4E+20$
REF/ID:
FIELD FLAGS:

(17h 41m)

I 8774

(17h 41m)



GSFC NEP SURVEY - FIELD # 41 0 -3

FIELD CENTER: $17^{\text{h}}41^{\text{m}}57.8^{\text{s}}$ $66^{\circ}40'18''$ (B1950)
 $17^{\text{h}}41^{\text{m}}57.2^{\text{s}}$ $66^{\circ}39'00''$ (J2000)
 $l: 96.57$ $b: 31.60$

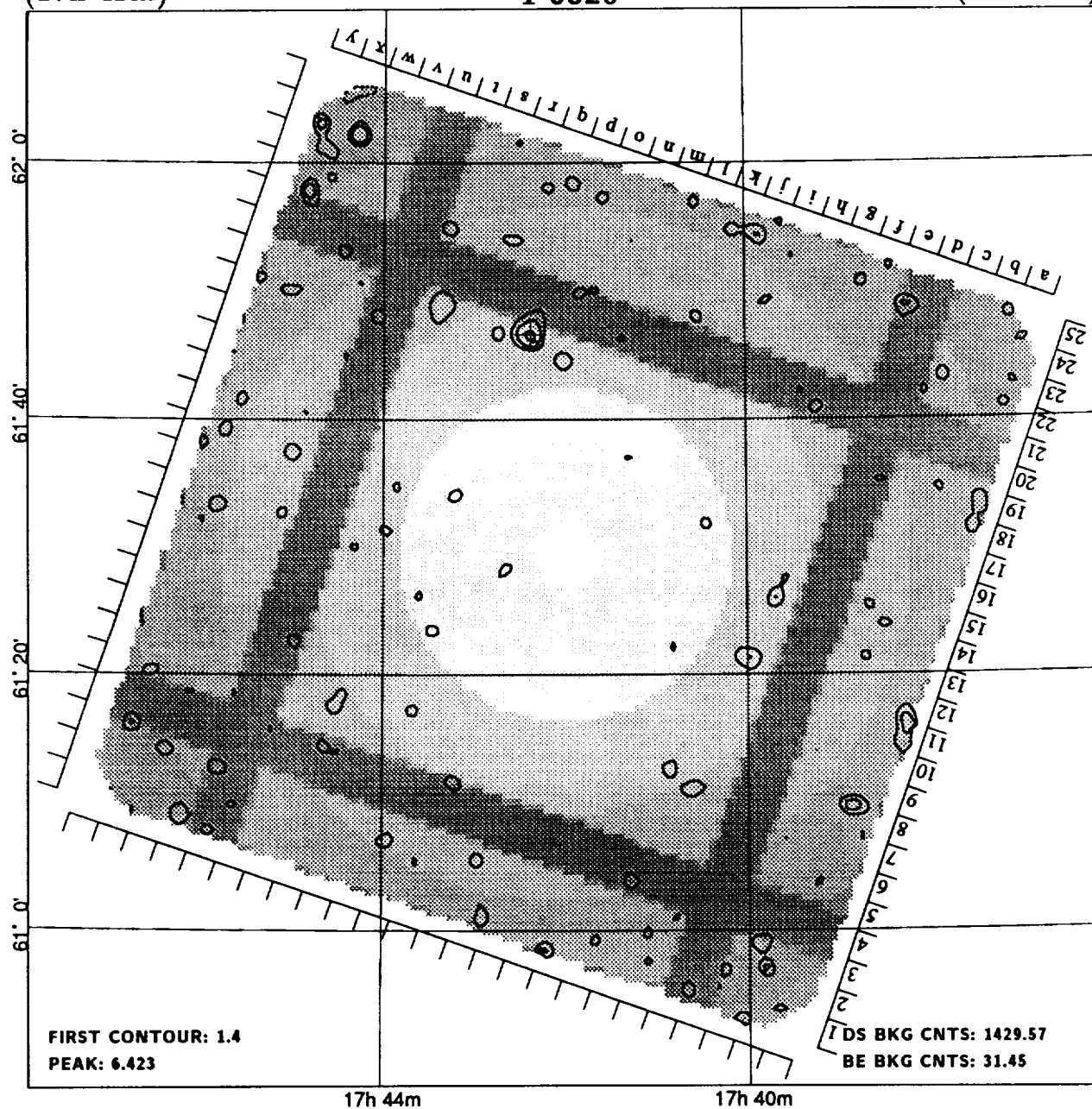
DATE: 1980/148 - 1980/148
 LIVETIME: 1011.8s
 ROLL ANGLE: -20.5°

NH: $4.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 42m)

I 6820

(17h 42m)



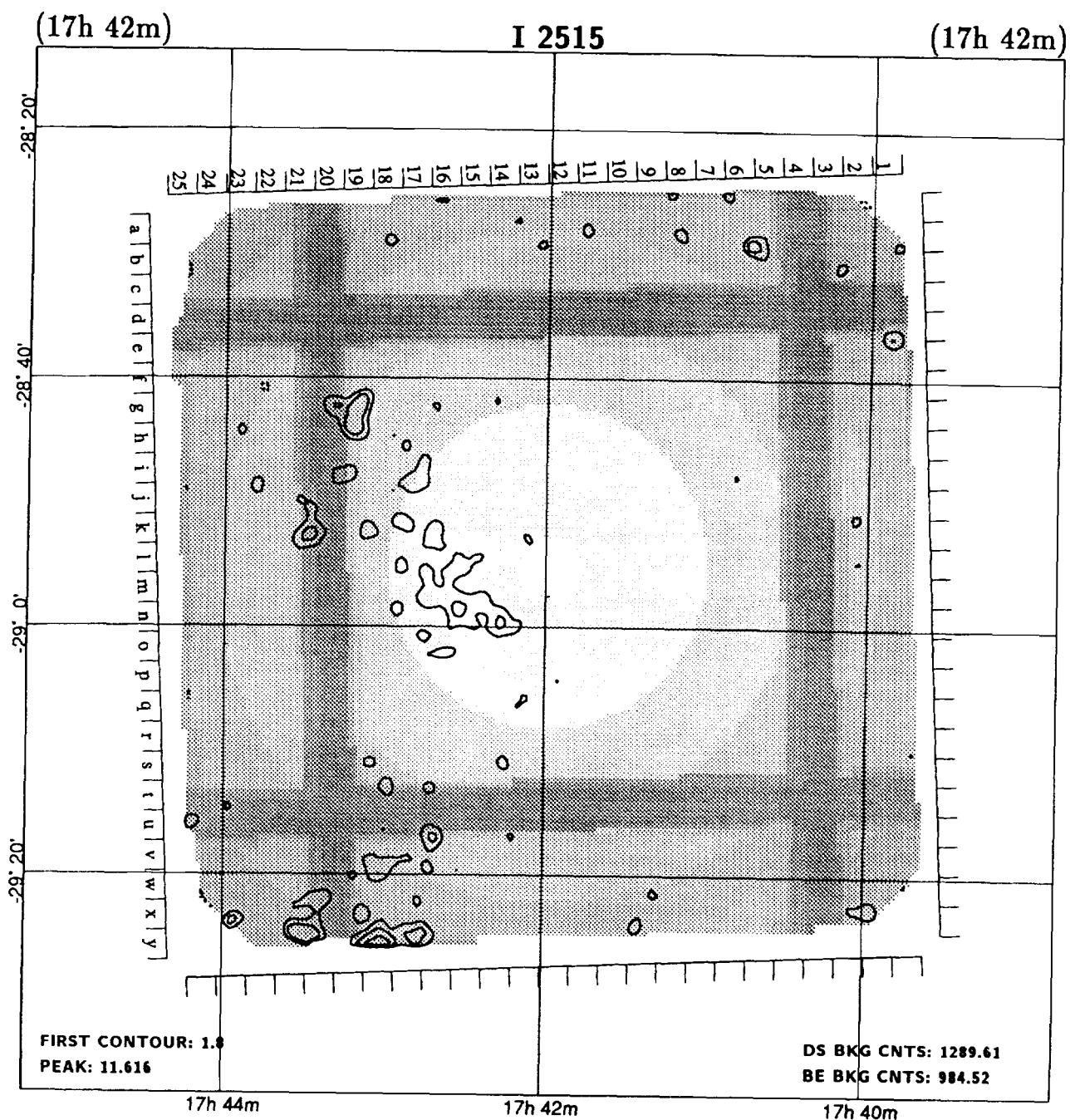
G2.4+1.4: HOT PLANETARY NEBULAE

FIELD CENTER: $17^{\text{h}}42^{\text{m}}00.8^{\text{s}}$ $61^{\circ}29'59''$ (B1950)
 $17^{\text{h}}42^{\text{m}}32.0^{\text{s}}$ $61^{\circ}28'42''$ (J2000)
 $l: 90.49$ $b: 31.77$

DATE: 1980/ 2 - 1980/ 2
 LIVETIME: 1158.4s
 ROLL ANGLE: -161.0°

NH: $3.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3940	1	17 42 22.7	61 46 37	52	*0.0255	0.0068	16.3	2.7	3.7	0.8	602	16.9	H

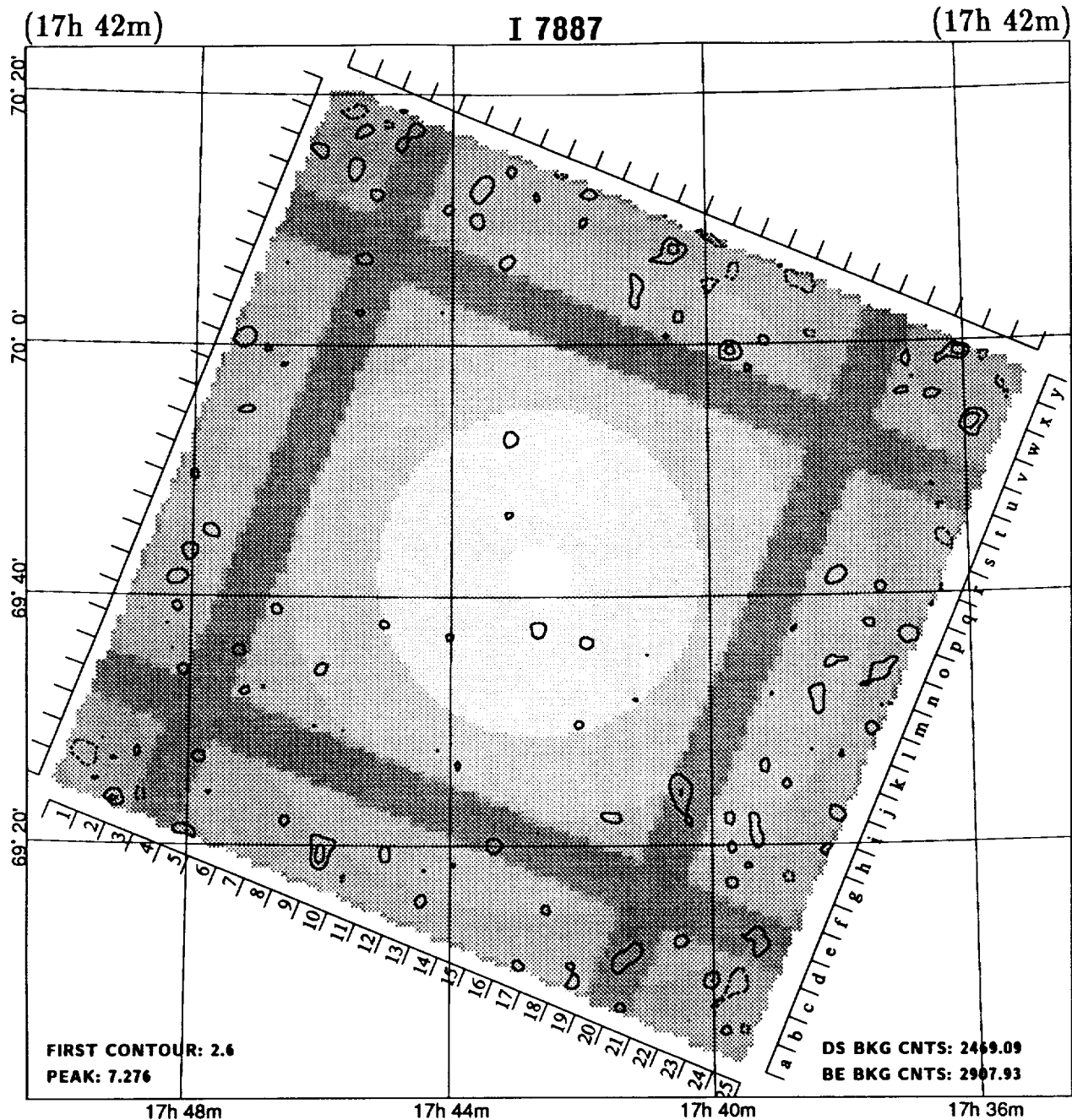


GALACTIC CENTER SURVEY

FIELD CENTER: 17^h42^m01.7^s -28°55'41" (B1950)
17^h45^m12.3^s -28°56'53" (J2000)
 l : 359.94 b : 0.07

DATE: 1979/266 - 1979/266
LIVETIME: 1045.0s
ROLL ANGLE: 87.7°

NH: 1.1E+22
REF/ID:
FIELD FLAGS: L



H 1731+685, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: $17^h 42^m 28.6^s$ $69^\circ 41' 59''$ (B1950)
 $17^h 42^m 02.5^s$ $69^\circ 40' 42''$ (J2000)
 ℓ : 100.10 b : 31.32

DATE: 1980/ 98 - 1980/ 99
LIVETIME: 2072.6s
ROLL ANGLE: -67.7°

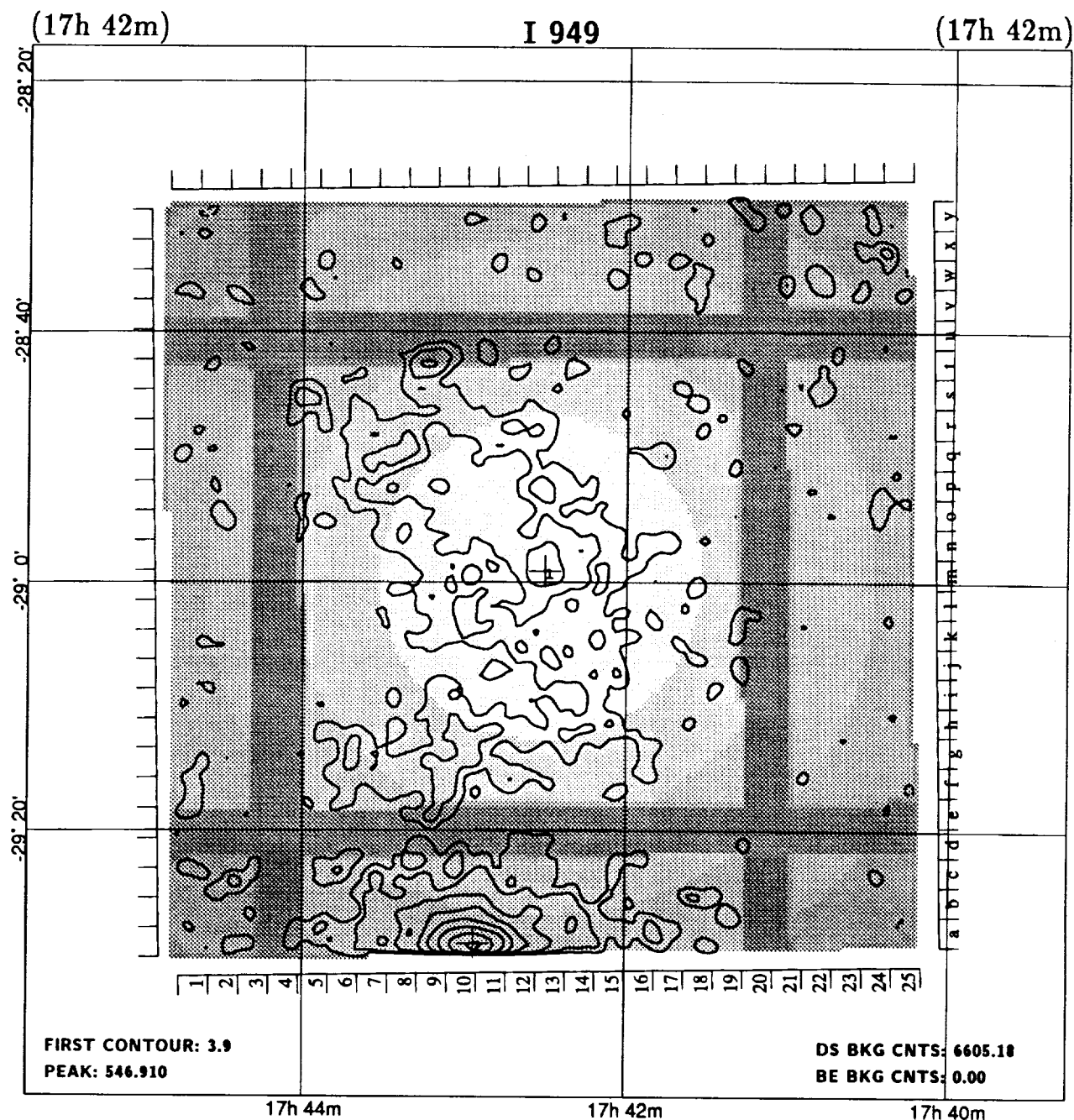
NH: 4.0E+20
REF/ID:
FIELD FLAGS: L

(17h 42m)



NH: 1.1E+22
REF/ID: !
FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3941	1L	17 42 30.3	-28 58 56	31	0.0215	0.0030	144.8	124.2	7.1	45.9	0	0.3	A	*
3943	2L	17 42 53.4	-29 28 11	47	*0.197	0.016	829.0	566.0	12.3	8.9	805	29.9	AEI	*
3944	3L	17 43 08.6	-28 42 42	51	0.0092	0.0025	45.5	54.5	3.6	99.9	0	18.2		*
3946	4L	17 43 26.1	-28 52 08	41	0.0105	0.0026	57.7	77.3	3.9	80.6	0	14.2		S



GALACTIC NUCLEUS-GCX: SGR A

FIELD CENTER: $17^h 42^m 28.9^s$ $-28^\circ 59' 19''$ (B1950)
 $17^h 45^m 39.6^s$ $-29^\circ 00' 29''$ (J2000)
 $l: 359.94$ $b: -0.05$

DATE: 1979/ 66 - 1979/ 66
 LIVETIME: 5352.4s
 ROLL ANGLE: -90.9°

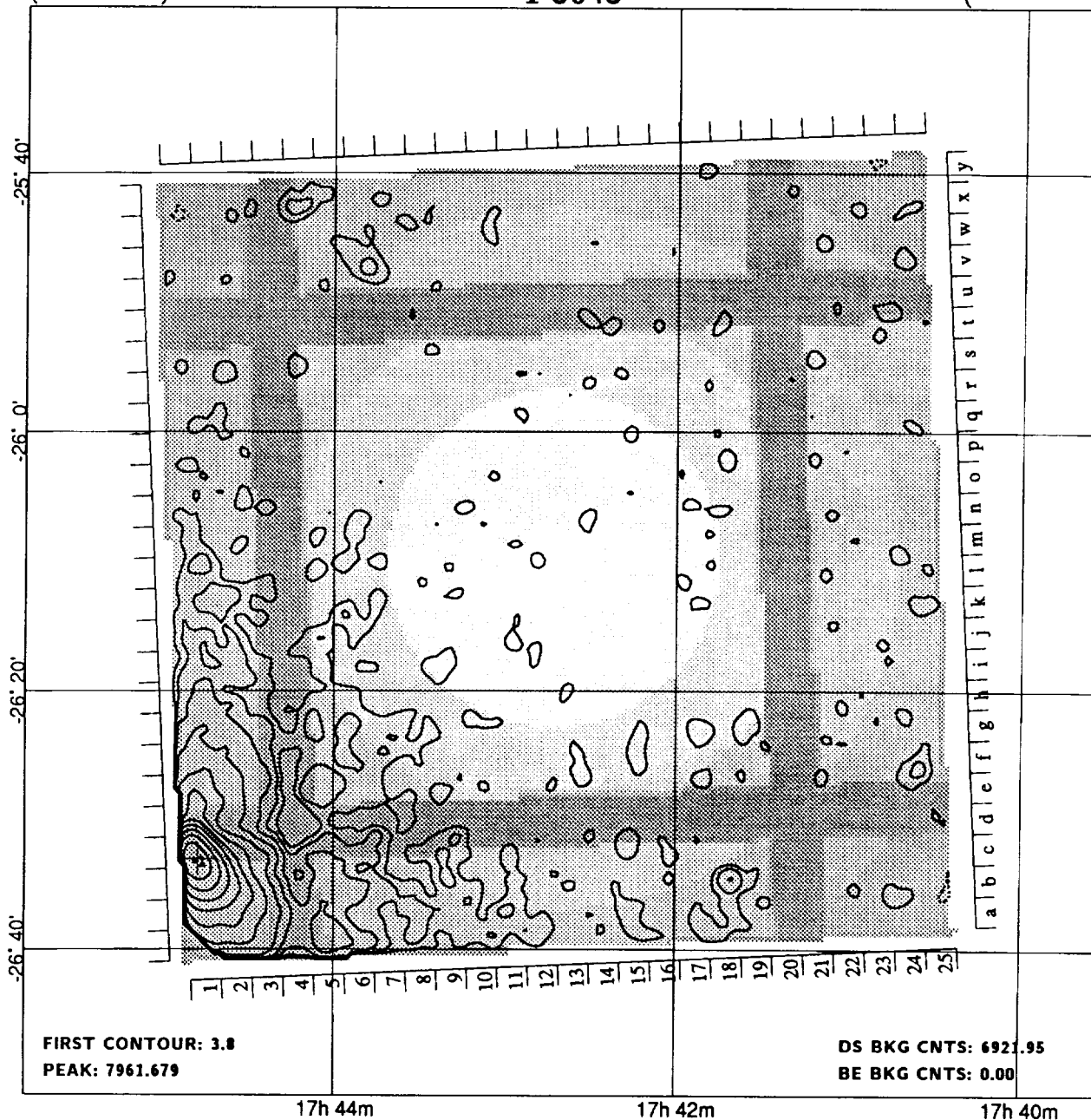
NH: $1.1E+22$
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3941	1L	17 42 30.3	-28 59 07	31	0.0154	0.0039	61.2	88.8	3.9	20.3	0	0.4	A	*
3943	2L	17 42 56.4	-29 29 06	47	*0.333	0.021	812.0	350.5	16.0	2.2	703	30.4	AEI	*

(17h 42m)

I 5045

(17h 42m)



FIELD CENTER: $17^{\text{h}}42^{\text{m}}40.3^{\text{s}}$ $-26^{\circ}09'19''$ (B1950)
 $17^{\text{h}}45^{\text{m}}46.9^{\text{s}}$ $-26^{\circ}10'28''$ (J2000)
 $l: 2.38$ $b: 1.41$

DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 5609.0s
 ROLL ANGLE: -92.6°

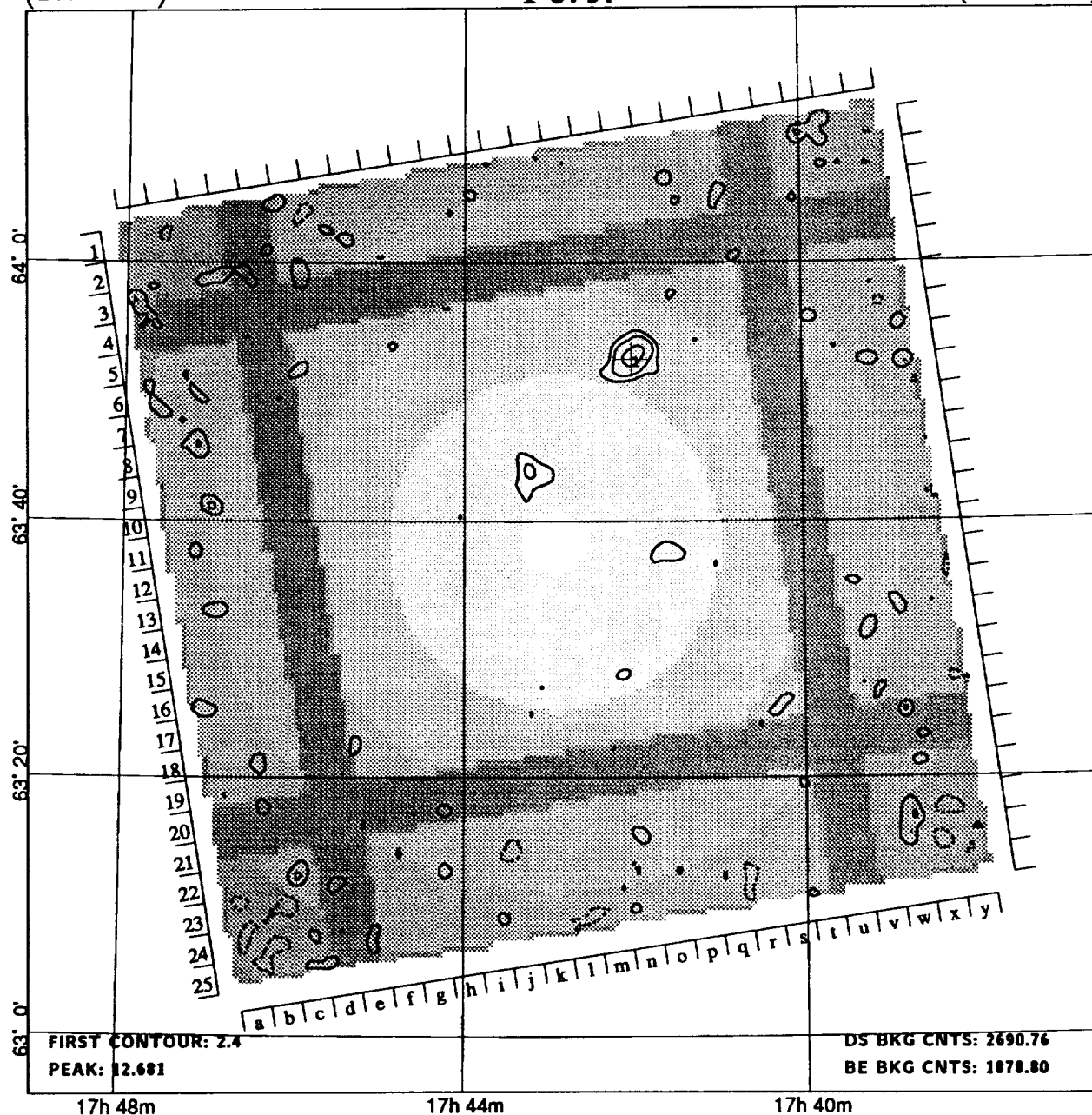
NH: $6.4\text{E}+21$
 REF/ID: S
 FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3948	1L	17 44 47.4	-26 33 00	47	*1.112 0.045	6763.6	4918.4	24.5	1.8	1207	37.1	I *

(17h 42m)

I 8797

(17h 42m)



GSFC NEP SURVEY - FIELD # 64 -4 -2

FIELD CENTER: $17^{\text{h}}42^{\text{m}}49.1^{\text{s}}$ $63^{\circ}37'46''$ (B1950)
 $17^{\text{h}}43^{\text{m}}08.6^{\text{s}}$ $63^{\circ}36'32''$ (J2000)
 ℓ : 92.99 b : 31.64

DATE: 1980/146 - 1980/146
 LIVETIME: 2180.4s
 ROLL ANGLE: -8.7°

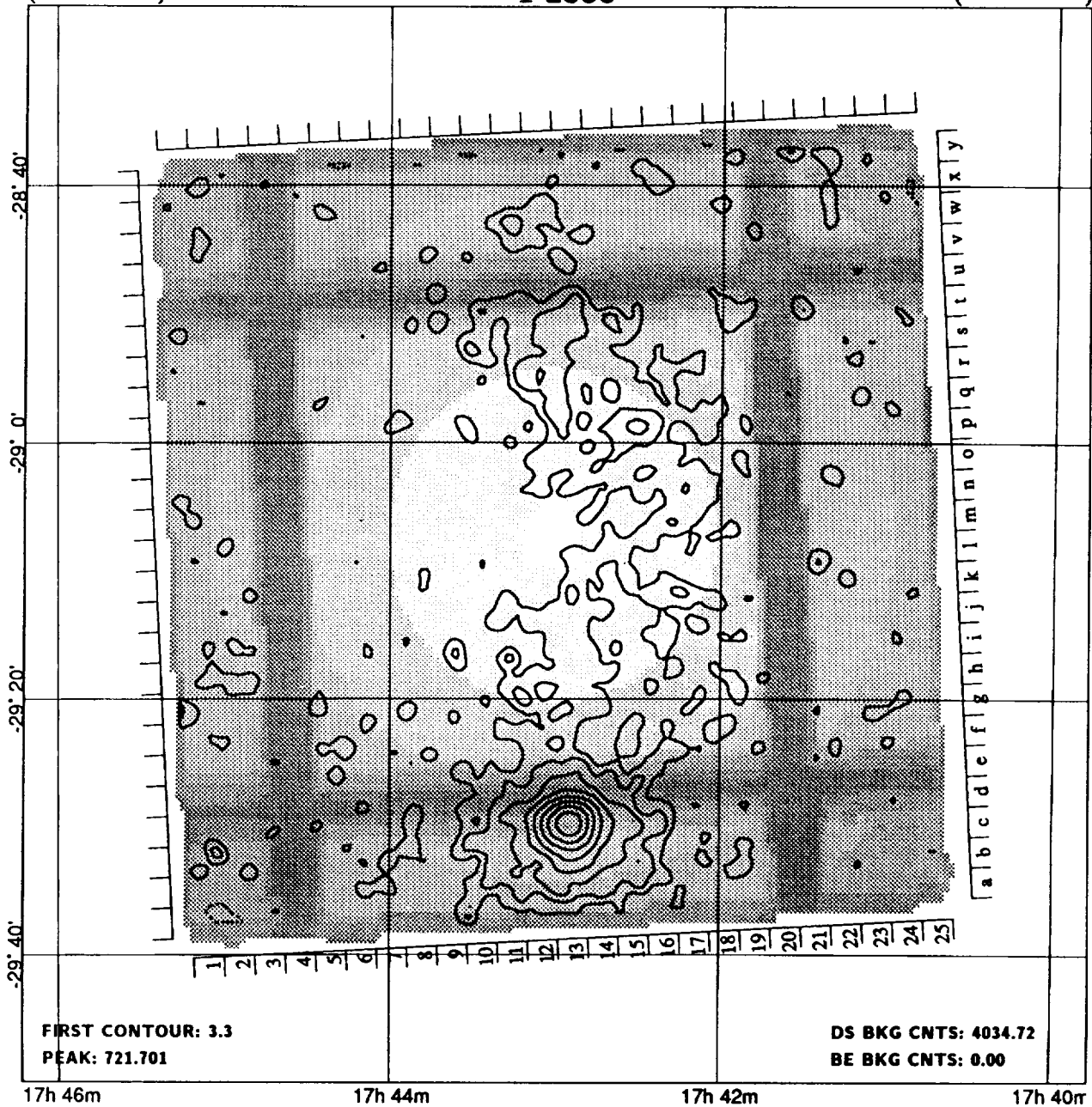
NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3939	1L	17 42 01.0	63 52 33	50	0.0253	0.0070	32.2	21.8	3.5	1.2	0	15.9	

(17h 42m)

I 2358

(17h 42m)



SOUTHERN HEMISPHERE SURVEY :4U1743-29=GXC

FIELD CENTER: $17^{\text{h}}42^{\text{m}}59.8^{\text{s}}$ $-29^{\circ}07'59''$ (B1950)
 $17^{\text{h}}46^{\text{m}}10.7^{\text{s}}$ $-29^{\circ}09'07''$ (J2000)
 $l: 359.88$ $b: -0.22$

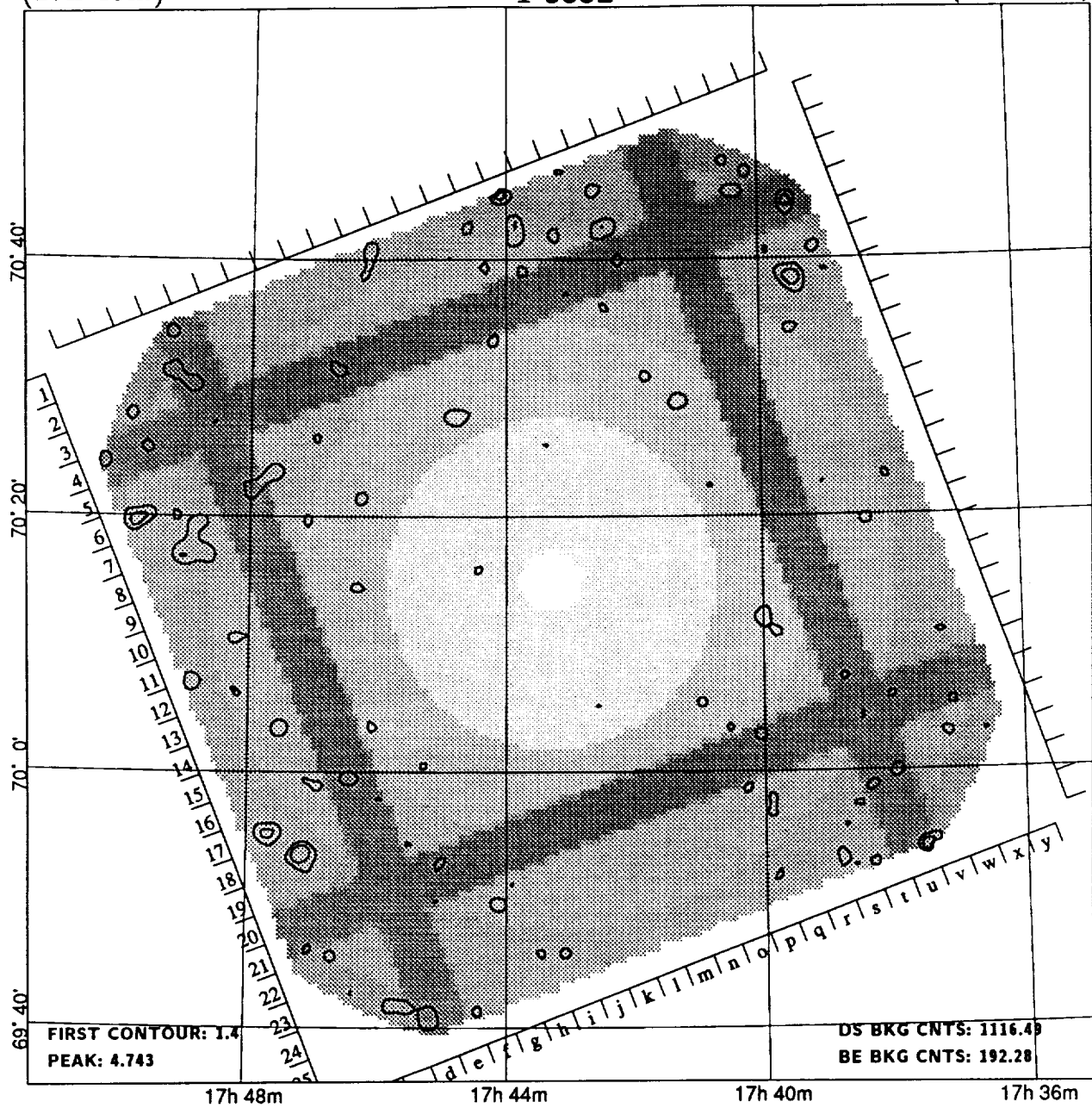
DATE: 1979/ 88 - 1979/ 88
 LIVETIME: 3269.4s
 ROLL ANGLE: -93.0°

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS: LS

(17h 43m)

I 8852

(17h 43m)



GSFC NEP SURVEY - FIELD # 119 5 2

FIELD CENTER: $17^h 43^m 10.0^s$ $70^\circ 17' 49''$ (B1950)
 $17^h 42^m 37.9^s$ $70^\circ 16' 35''$ (J2000)
 $l: 100.79$ $b: 31.20$

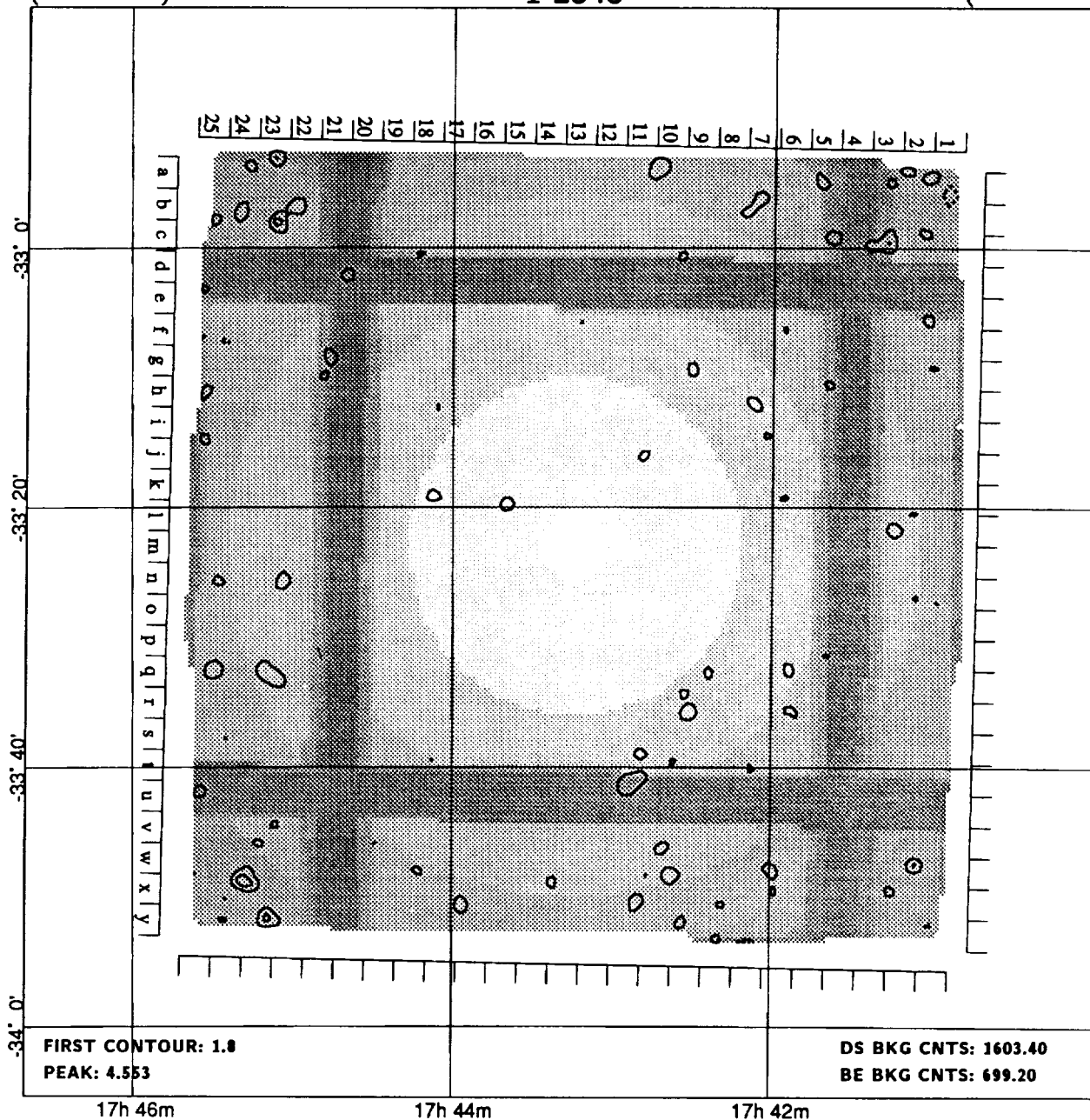
DATE: 1980/150 - 1980/150
LIVETIME: 904.7s
ROLL ANGLE: -20.9°

NH: $3.9E+20$
REF/ID:
FIELD FLAGS:

(17h 43m)

I 2543

(17h 43m)

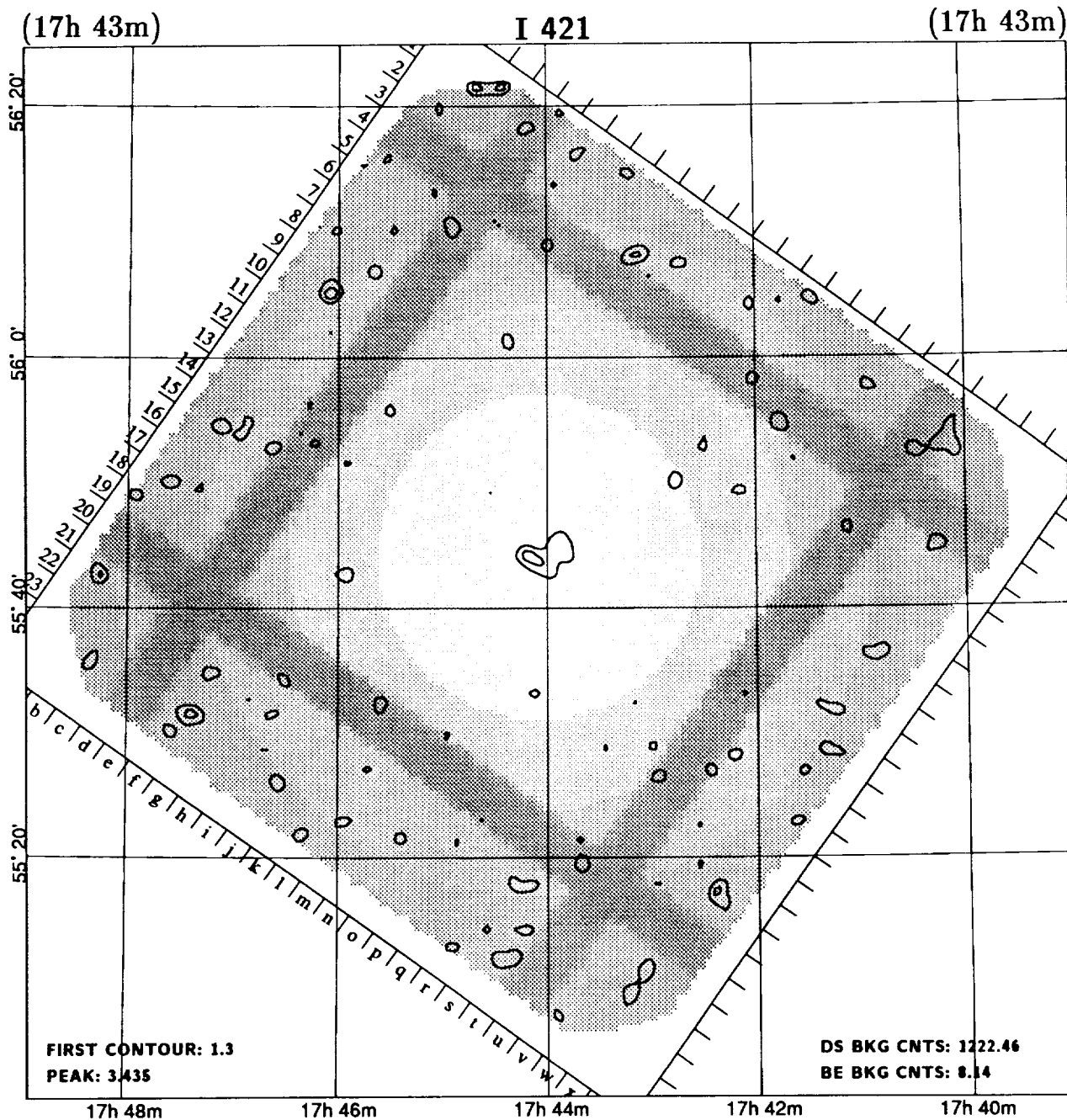


GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}43^{\text{m}}18.5^{\text{s}}$ $-33^{\circ}23'33''$ (B1950)
 $17^{\text{h}}46^{\text{m}}36.2^{\text{s}}$ $-33^{\circ}24'39''$ (J2000)
 $l: 356.29$ $b: -2.51$

DATE: 1979/266 - 1979/266
 LIVETIME: 1299.3s
 ROLL ANGLE: 91.0°

NH: $5.0\text{E}+21$
 REF/ID:
 FIELD FLAGS: L



NGC 6454 ABNORMAL GALAXIES SURVEY

FIELD CENTER: 17^h43^m59.8^s 55°42'59" (B1950)
17^h44^m55.8^s 55°41'52" (J2000)
 l : 83.71 b : 31.35

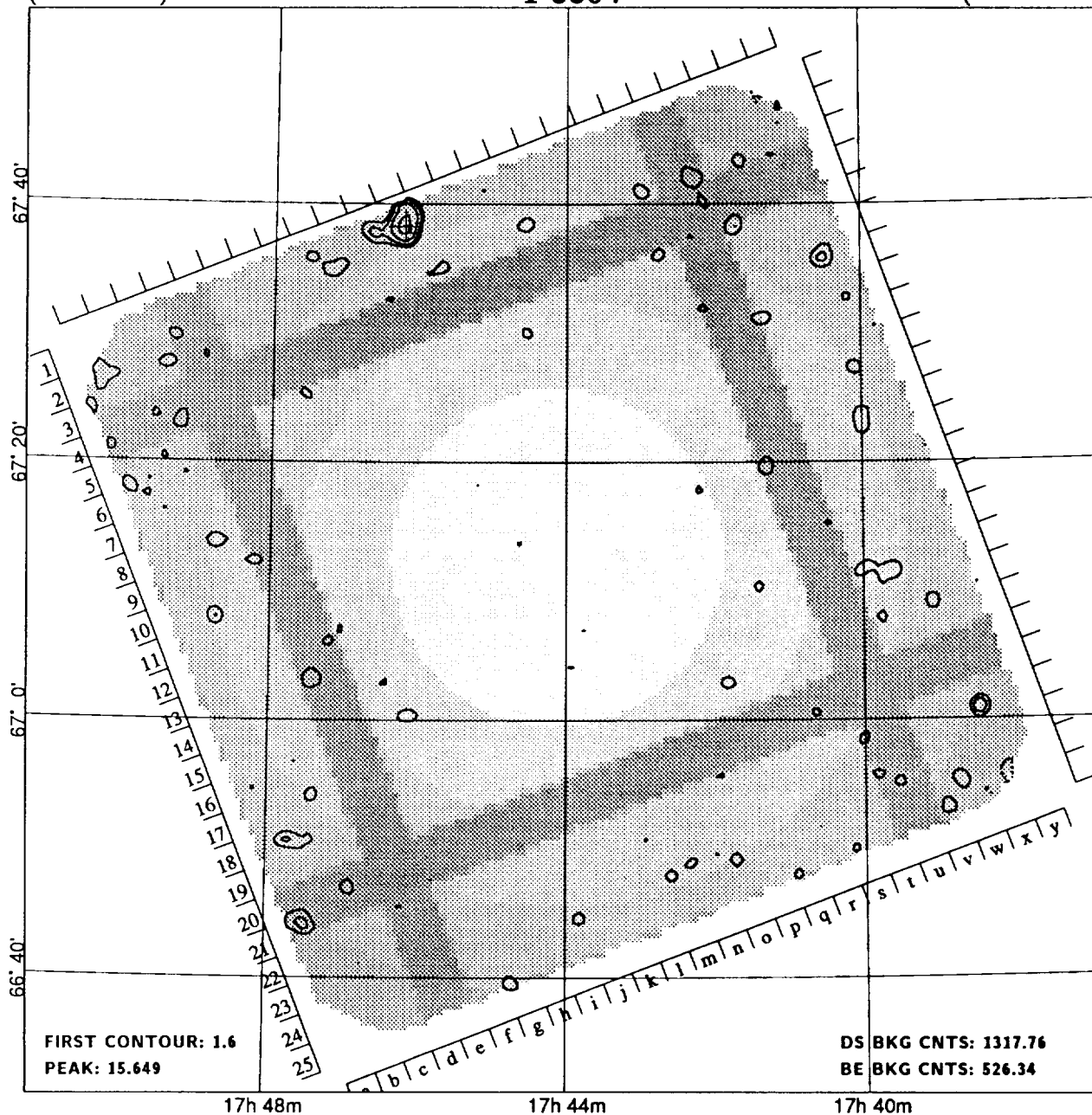
DATE: 1979/205 - 1979/205
LIVETIME: 990.6s
ROLL ANGLE: 35.5°

NH: 3.8E+20
REF/ID: !
FIELD FLAGS:

(17h 44m)

I 8804

(17h 44m)



GSFC NEP SURVEY - FIELD # 71 1-4

FIELD CENTER: $17^{\text{h}}44^{\text{m}}03.3^{\text{s}}$ $67^{\circ}13'09''$ (B1950)
 $17^{\text{h}}43^{\text{m}}58.5^{\text{s}}$ $67^{\circ}12'00''$ (J2000)
 $l: 97.19$ $b: 31.36$

DATE: 1980/148 - 1980/148
 LIVETIME: 1067.8s
 ROLL ANGLE: -21.0°

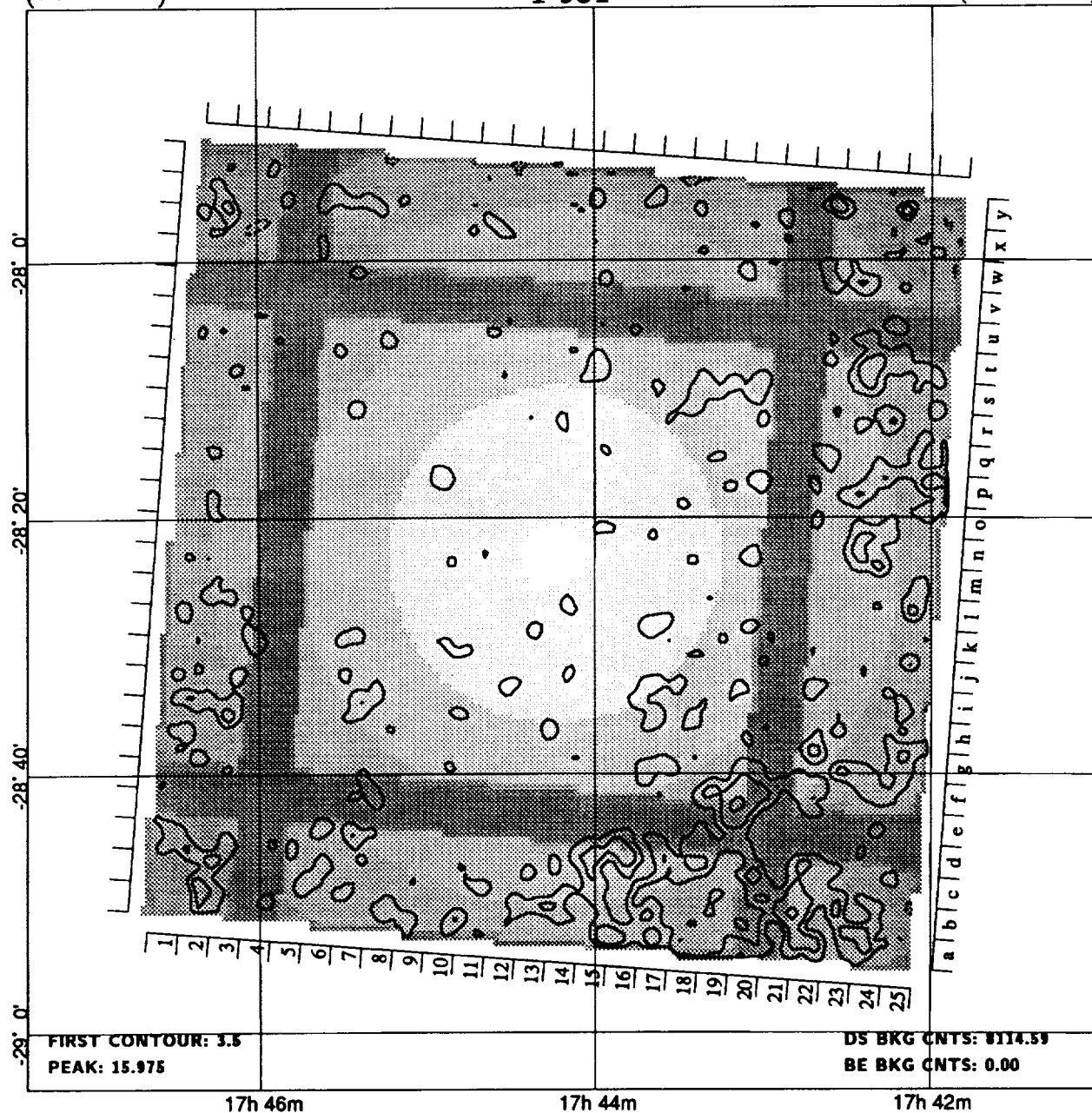
NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3952	1	17 46 13.6	67 38 14	51	0.085	0.015	34.1	2.9	5.6	1.1	300	28.0	H

(17h 44m)

I 951

(17h 44m)

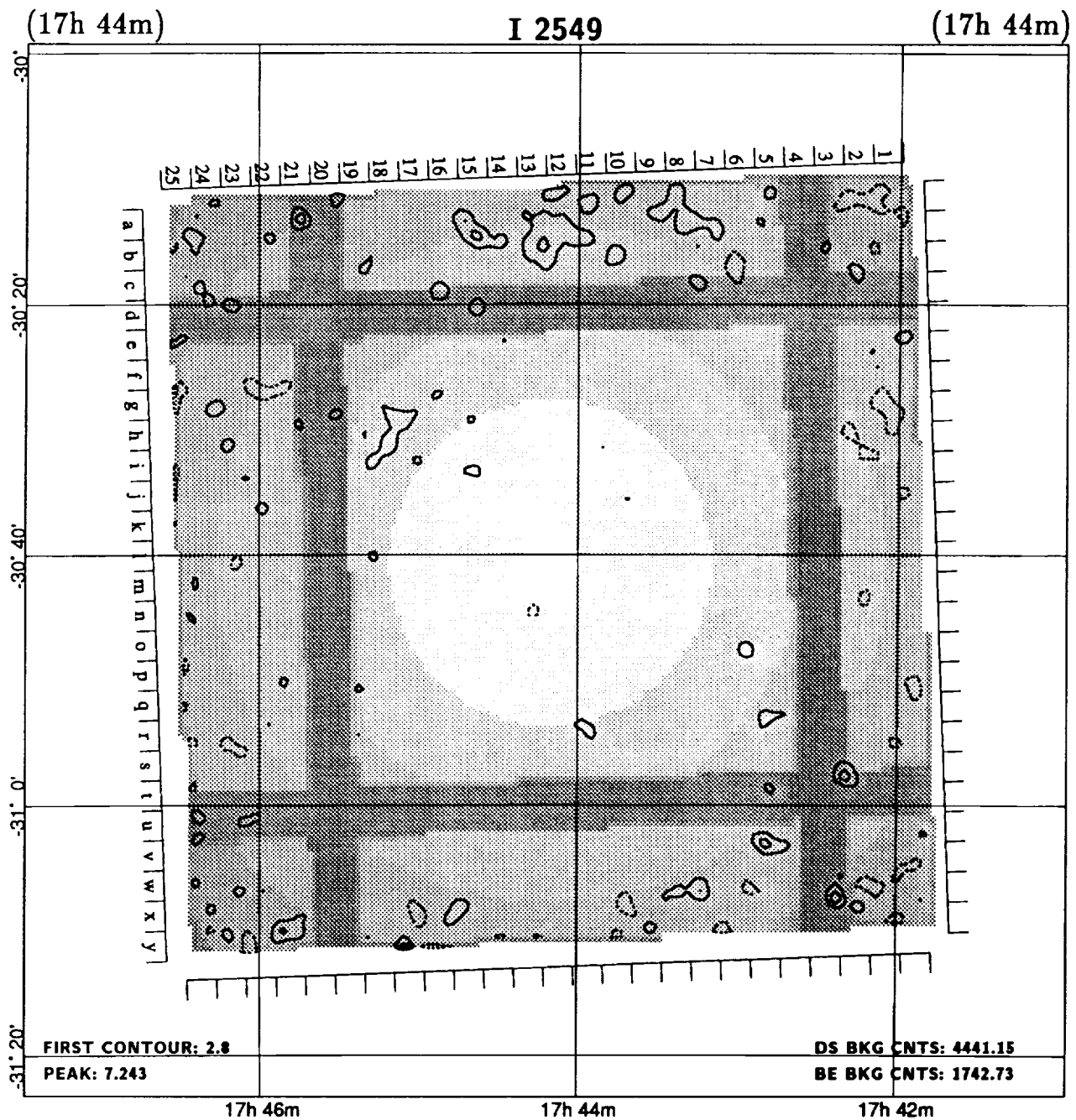


GALACTIC NUCLEUS-GCX: SGR B2

FIELD CENTER: $17^{\text{h}}44^{\text{m}}10.9^{\text{s}}$ $-28^{\circ}22'29''$ (B1950)
 $17^{\text{h}}47^{\text{m}}20.7^{\text{s}}$ $-28^{\circ}23'32''$ (J2000)
 $l: 0.66$ $b: -0.04$

DATE: 1979/ 65 - 1979/ 66
 LIVETIME: 6575.5s
 ROLL ANGLE: -85.7°

NH: $9.8\text{E}+21$
 REF/ID: !
 FIELD FLAGS: L



GALACTIC CENTER SURVEY

FIELD CENTER: $17^h 44^m 12.3^s$ $-30^\circ 41' 18''$ (B1950)
 $17^h 47^m 25.6^s$ $-30^\circ 42' 20''$ (J2000)
 $l: 358.69$ $b: -1.25$

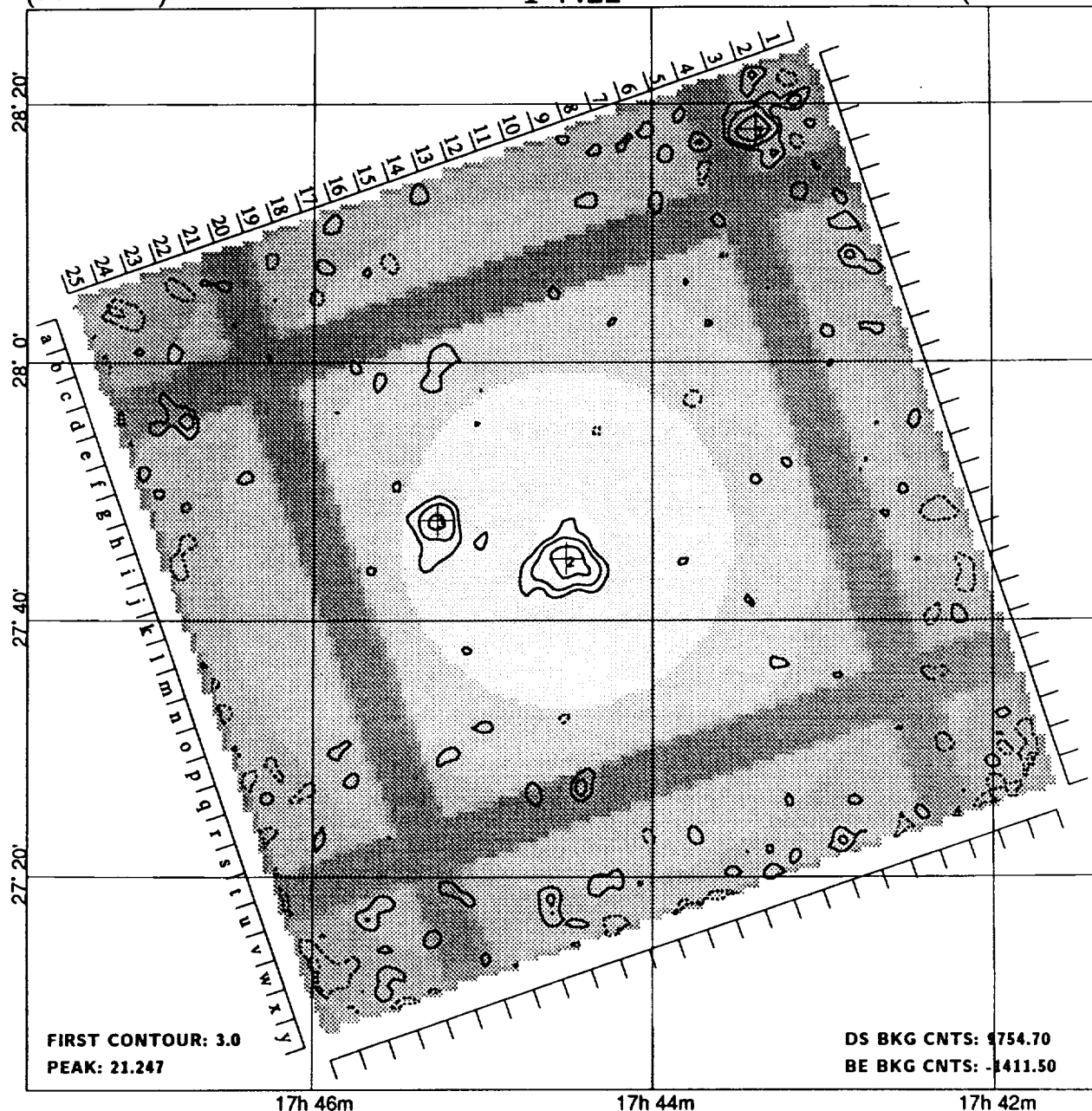
DATE: 1979/266 - 1979/266
LIVETIME: 3598.8s
ROLL ANGLE: 87.9°

NH: $8.0E+21$
REF/ID:
FIELD FLAGS: L

(17h 44m)

I 4422

(17h 44m)



STELLAR SURVEY: MU HER

FIELD CENTER: $17^{\text{h}}44^{\text{m}}30.8^{\text{s}}$ $27^{\circ}45'29''$ (B1950) $17^{\text{h}}46^{\text{m}}29.5^{\text{s}}$ $27^{\circ}44'26''$ (J2000) l : 52.46 b : 25.63

DATE: 1979/239 - 1979/239

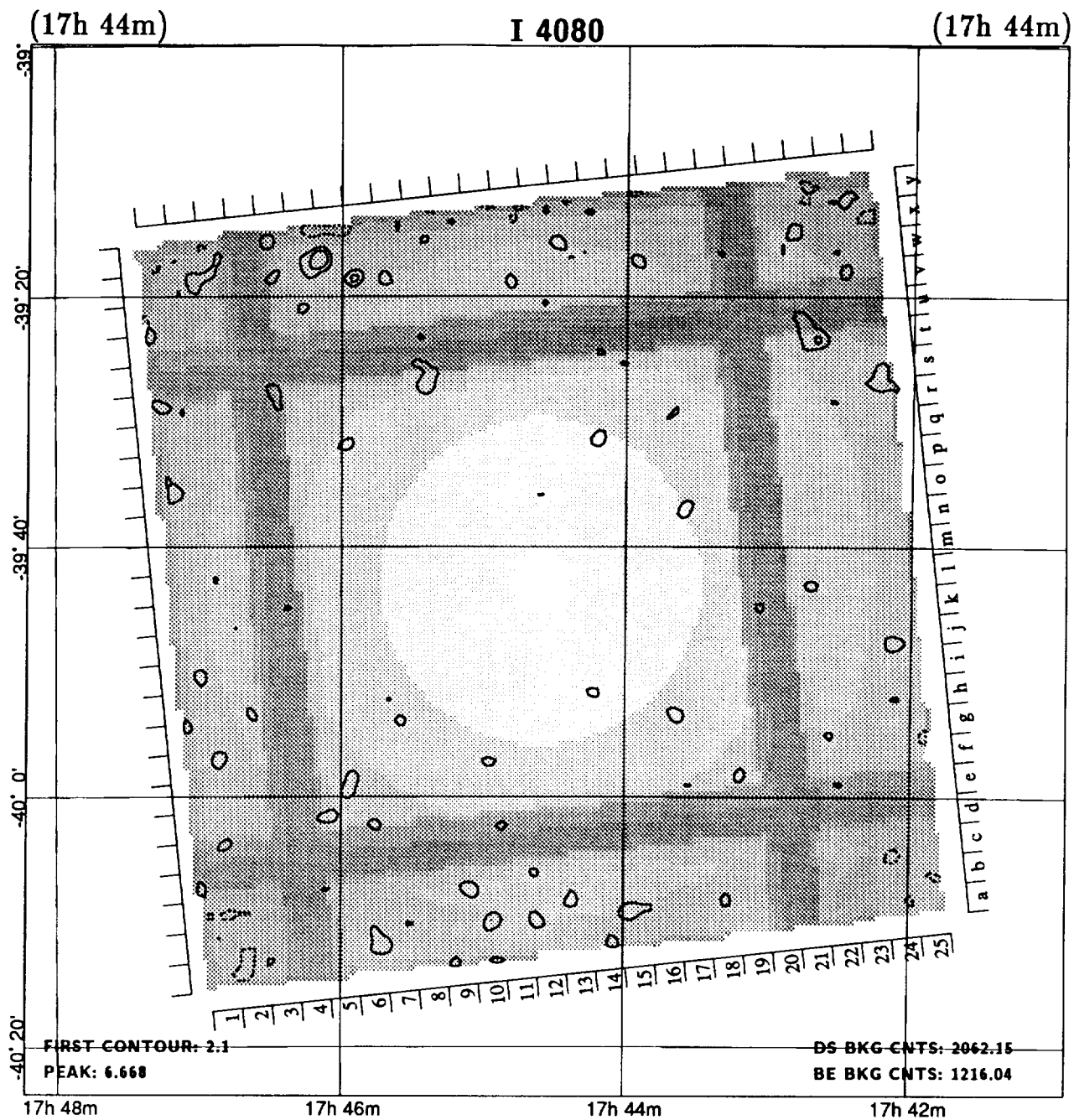
LIVETIME: 7904.5s

ROLL ANGLE: 71.1° NH: $4.7\text{E}+20$

REF/ID:

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3945	1	17 43 22.9	28 18 01	52	*0.0141	0.0030	29.8	11.2	4.6	1.5	703	35.6	H	
3947	2	17 44 30.6	27 44 51	32	0.0146	0.0017	85.4	19.6	8.3	2.2	0	0.4	H	S
3950	3	17 45 16.2	27 47 47	41	0.0111	0.0017	58.3	17.7	6.7	1.4	0	10.6	H	AGN



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $17^{\text{h}}44^{\text{m}}33.7^{\text{s}}$ $-39^{\circ}41'59''$ (B1950)
 $17^{\text{h}}48^{\text{m}}02.9^{\text{s}}$ $-39^{\circ}42'59''$ (J2000)
 l : 351.01 b : -5.99

DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 1731.0s
 ROLL ANGLE: -96.1°

NH: $2.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 45m)

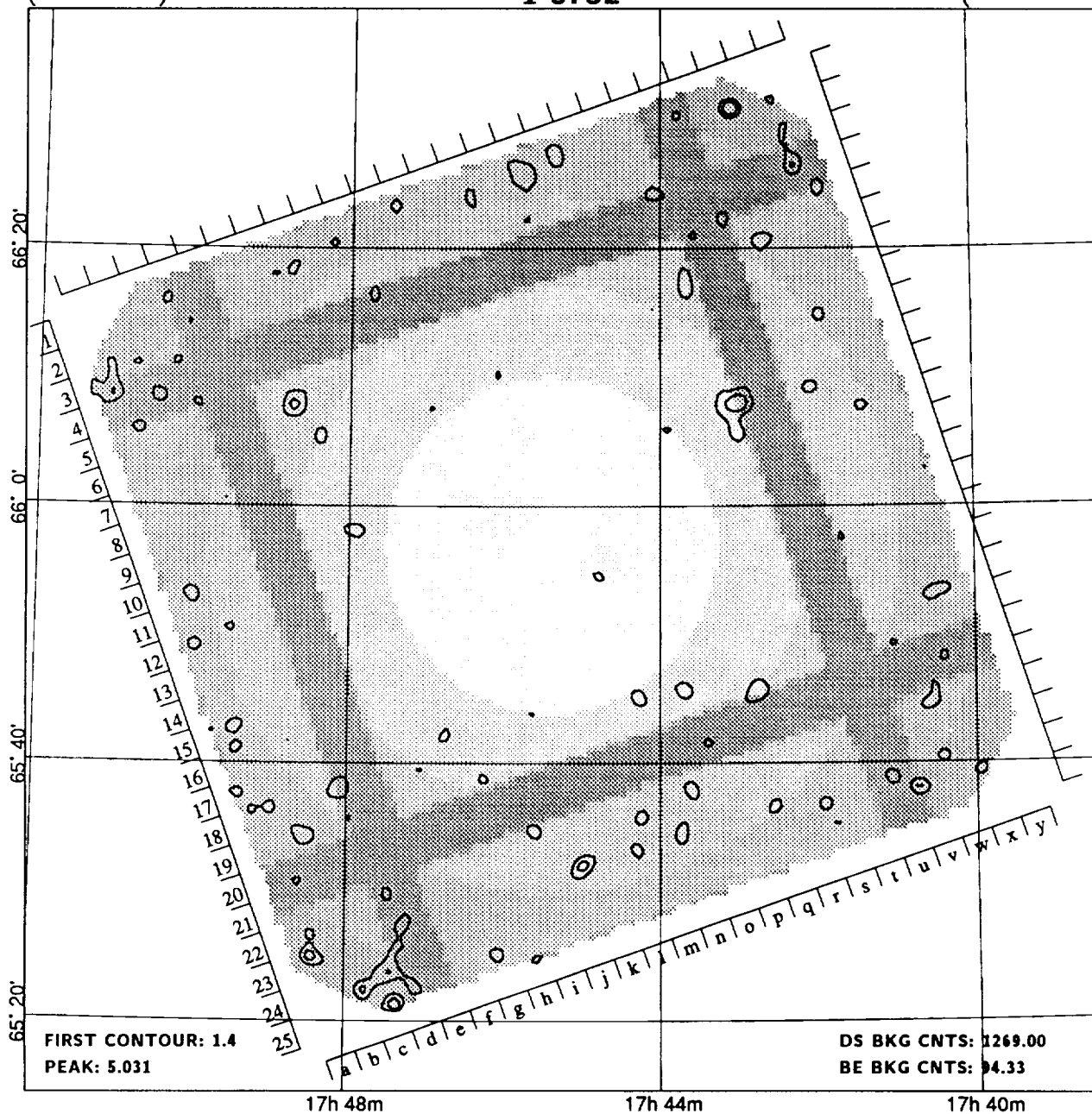


NH: 3.4E+21
REF/ID:
FIELD FLAGS: GL

(17h 45m)

I 8752

(17h 45m)



GSFC NEP SURVEY - FIELD # 19 -1 -2

FIELD CENTER: $17^h 45^m 16.3^s$ $65^\circ 56' 36''$ (B1950)
 $17^h 45^m 20.8^s$ $65^\circ 55' 32''$ (J2000)
 $l: 95.69$ $b: 31.30$

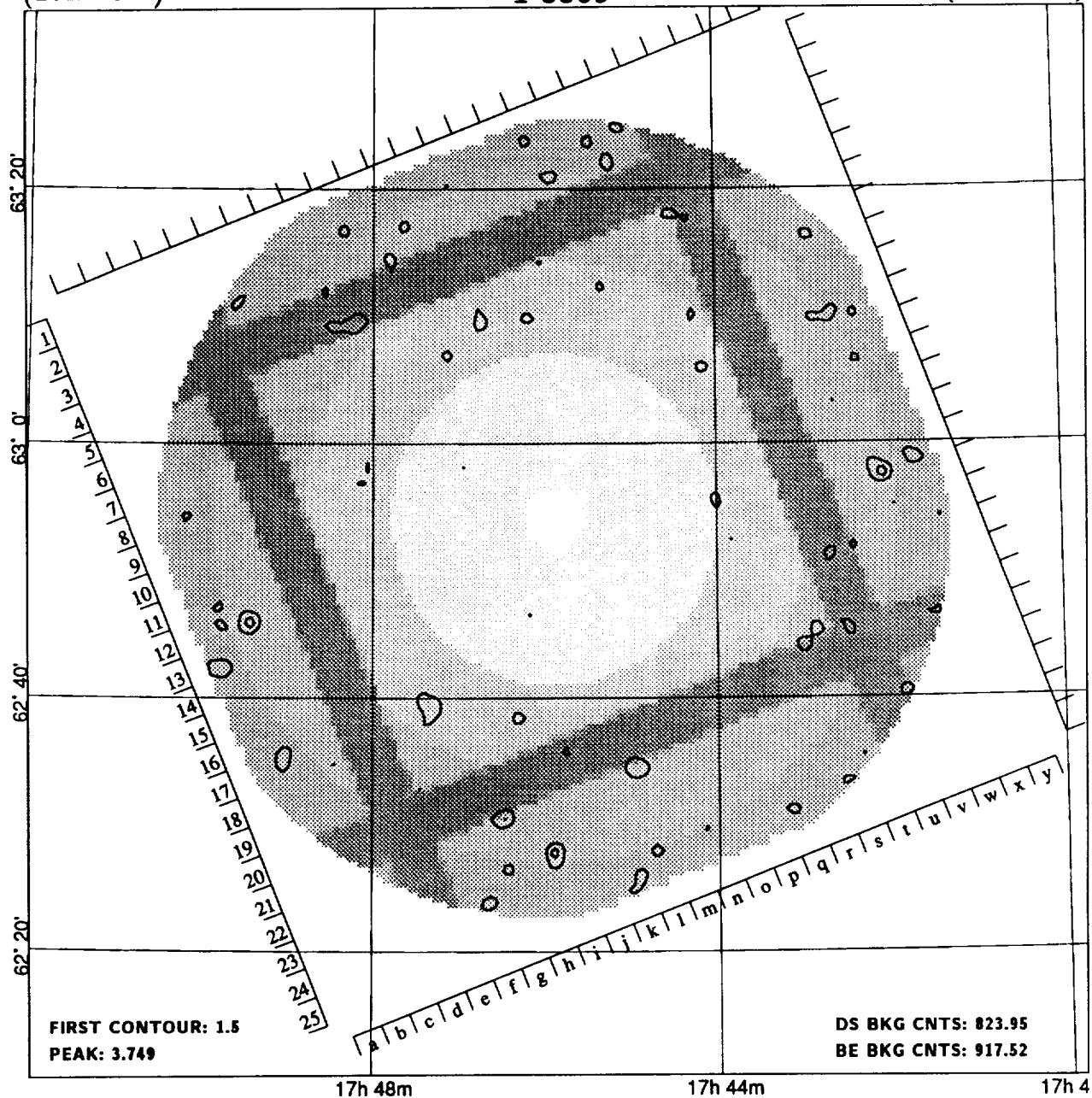
DATE: 1980/148 - 1980/148
 LIVETIME: 1028.3s
 ROLL ANGLE: -19.3°

NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS:

(17h 45m)

I 8869

(17h 45m)

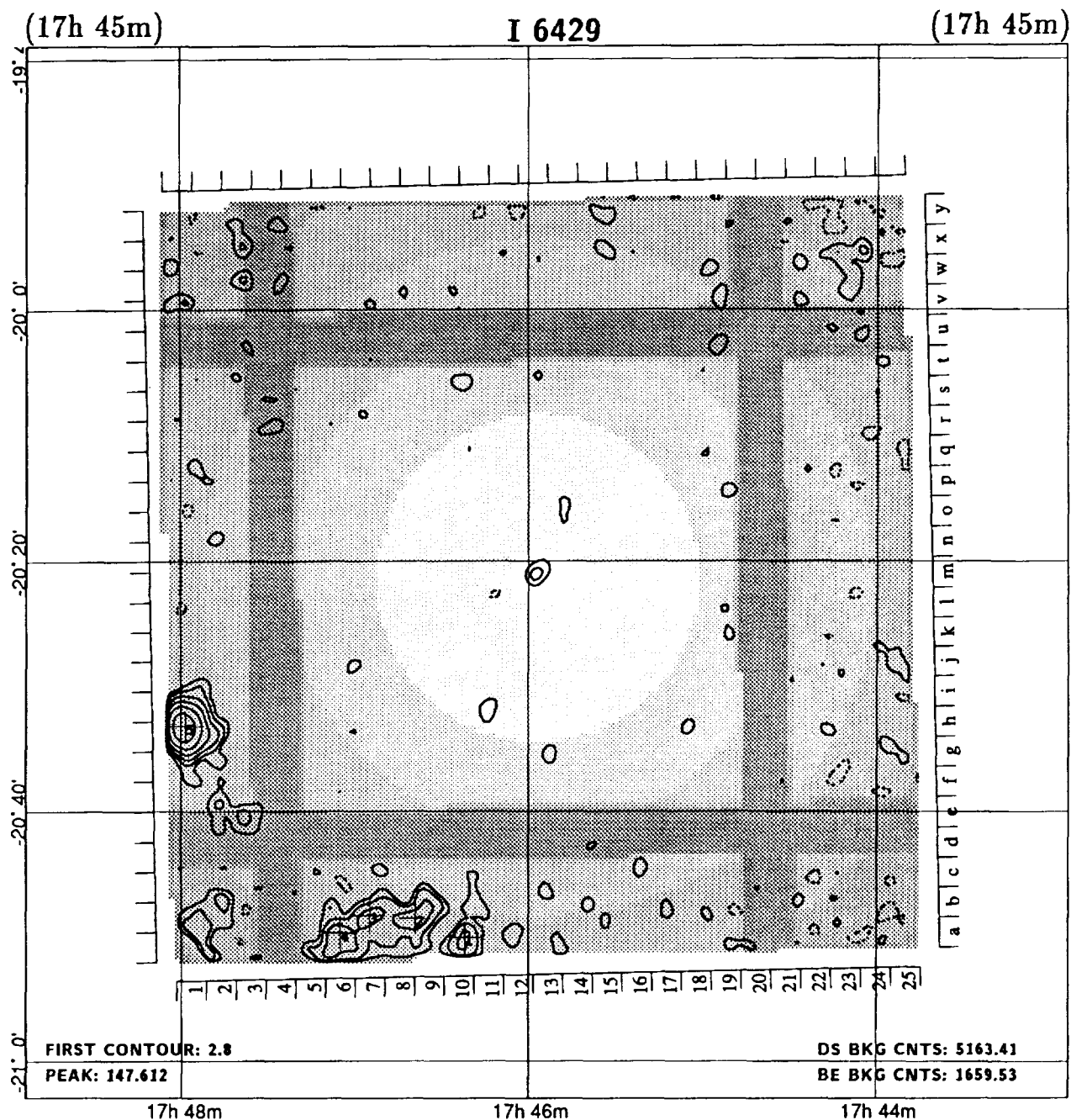


GSFC NEP SURVEY - FIELD # 136 -6 -1

FIELD CENTER: $17^{\text{h}}45^{\text{m}}51.3^{\text{s}}$ $62^{\circ}52'20''$ (B1950)
 $17^{\text{h}}46^{\text{m}}15.0^{\text{s}}$ $62^{\circ}51'19''$ (J2000)
 ℓ : 92.10 b : 31.31

DATE: 1980/146 - 1980/146
LIVETIME: 667.7s
ROLL ANGLE: -21.4°

NH: $3.3\text{E}+20$
REF/ID:
FIELD FLAGS: L



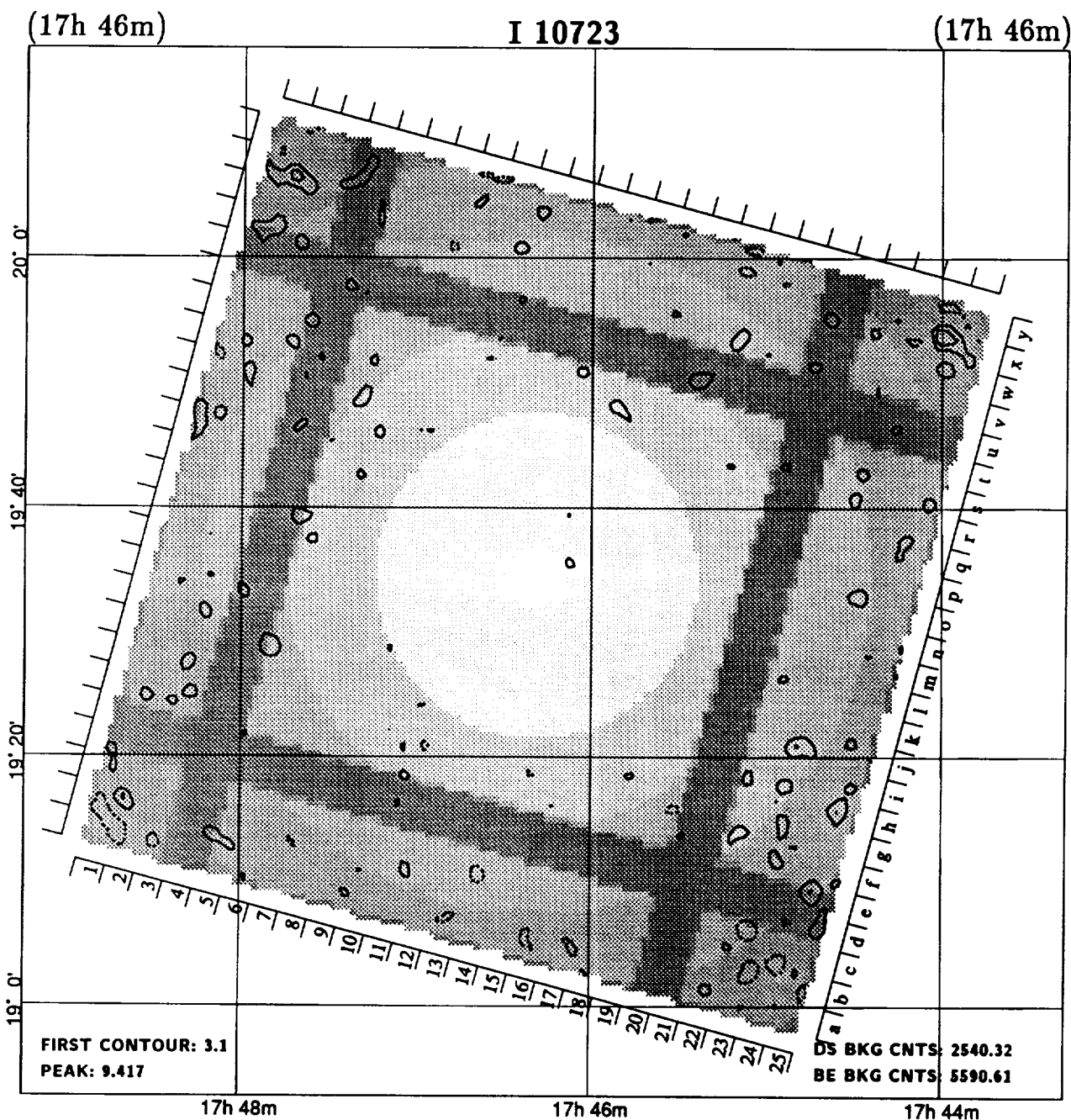
NGC 6440, GLOBULAR CLUSTER SURVEY

FIELD CENTER: 17^h45^m53.9^s -20°20'59" (B1950)
 17^h48^m52.5^s -20°21'54" (J2000)
 ℓ : 7.72 b : 3.80

DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 4334.3s
 ROLL ANGLE: -91.1°

NH: 3.8E+21
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3954	1	17 46 22.0	-20 50 03	52	0.0178	0.0039	27.9	10.1	4.5	1.2	500	30.0	H
3956	2	17 46 39.1	-20 48 31	51	0.0215	0.0041	34.4	8.6	5.3	4.7	0	29.1	H
3958	3	17 46 55.0	-20 48 19	53	0.0198	0.0041	29.8	9.2	4.8	5.1	0	30.7	H
3959	4	17 47 05.2	-20 49 41	51	*0.0229	0.0047	30.5	9.5	4.8	5.6	703	34.8	H
3961	5	17 47 58.5	-20 33 12	47	0.202	0.012	294.1	9.9	16.9	1.2	500	31.6	H

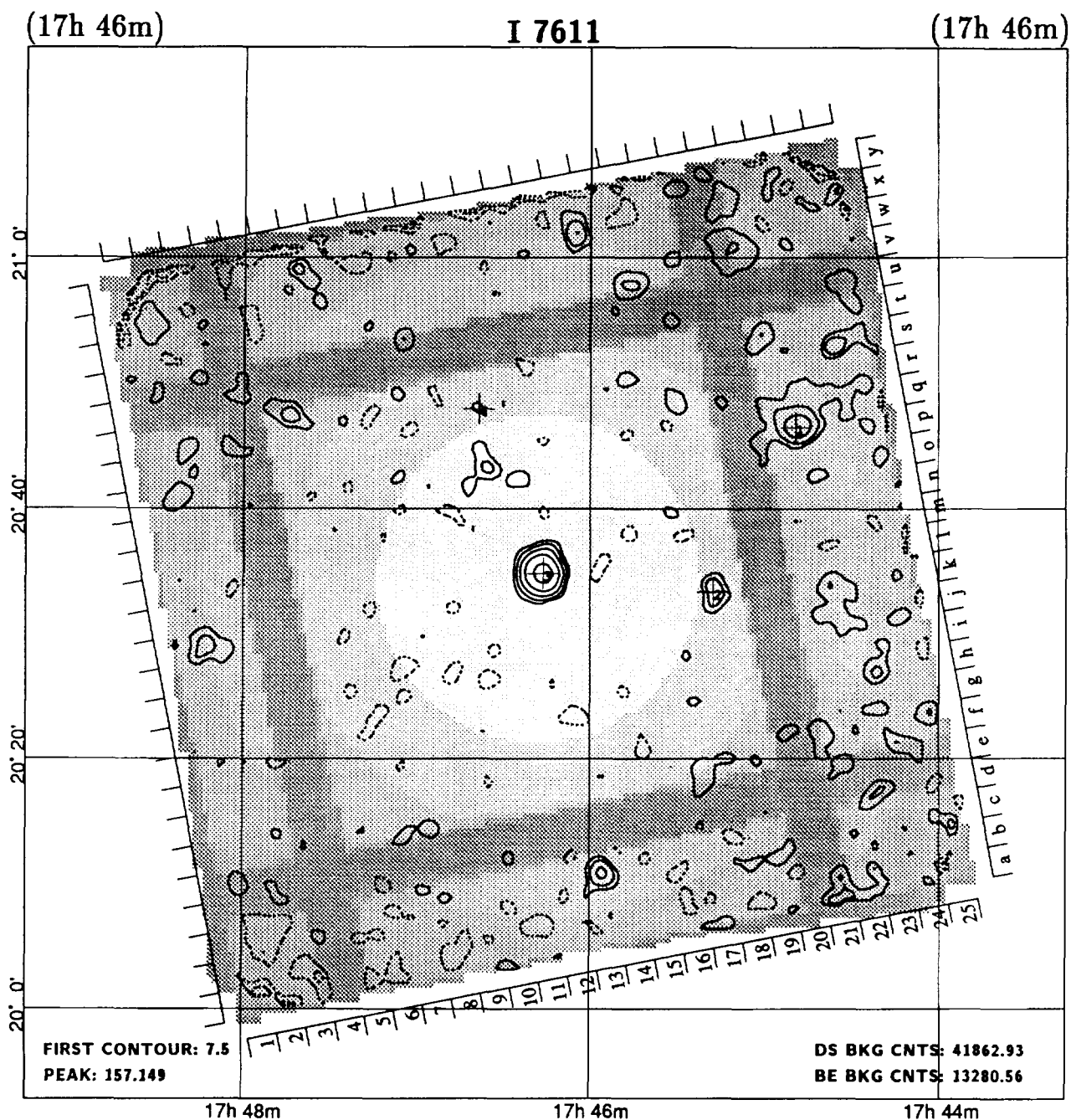


IPC CALIBRATION FIELD

FIELD CENTER: 17^h46^m15.5^s 19°34'49" (B1950)
17^h48^m25.6^s 19°33'54" (J2000)
 ℓ : 44.24 b : 22.36

DATE: 1981/102 - 1981/102
LIVETIME: 2058.5s
ROLL ANGLE: -75.1°

NH: 7.6E+20
REF/ID:
FIELD FLAGS: L



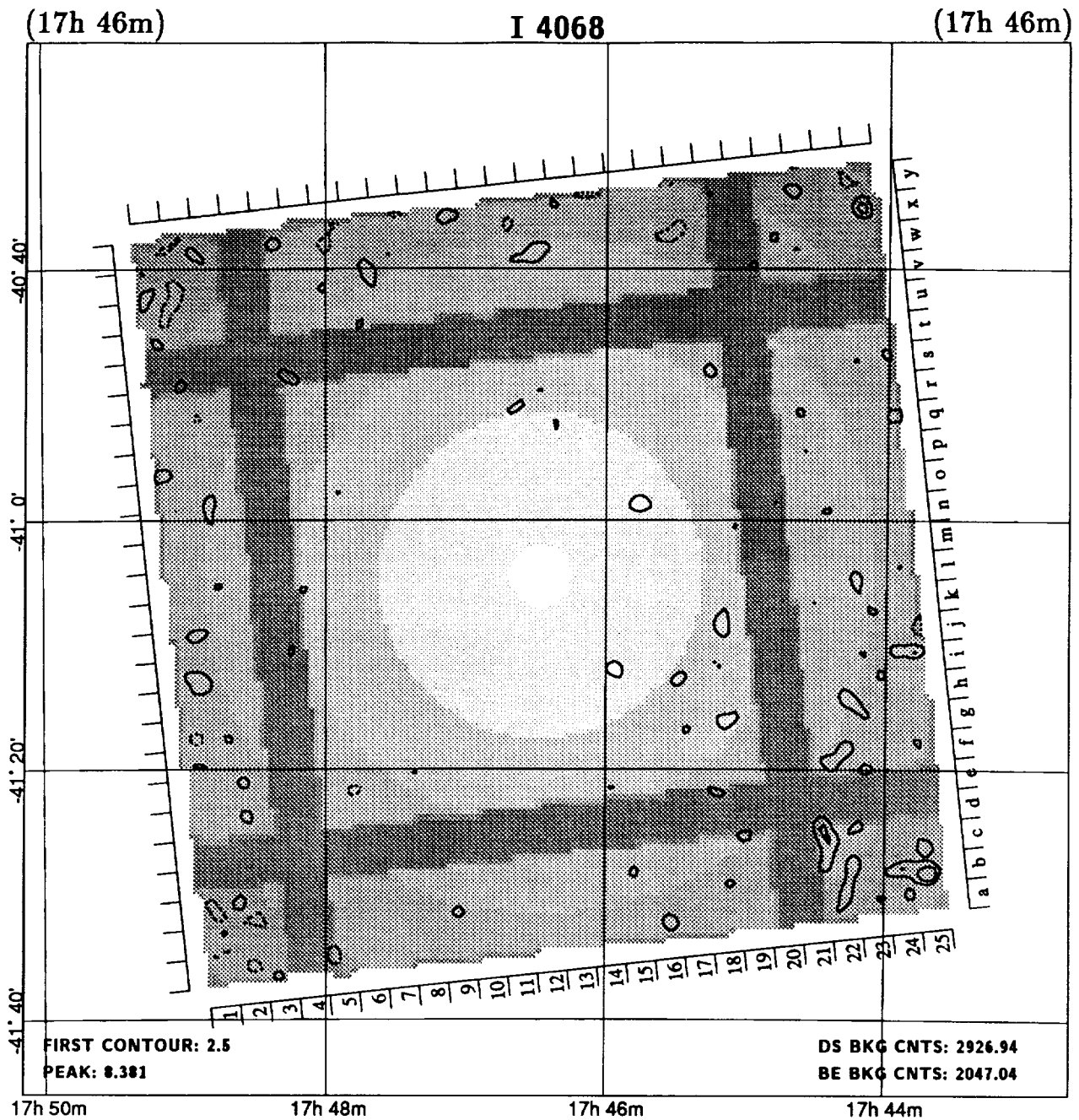
HD 162076, SELECTED LATE-TYPE STARS W/CHROMOSPHERIC ACTIVITY

FIELD CENTER: $17^{\text{h}}46^{\text{m}}15.7^{\text{s}}$ $20^{\circ}34'49''$ (B1950)
 $17^{\text{h}}48^{\text{m}}24.4^{\text{s}}$ $20^{\circ}33'54''$ (J2000)
 $l: 45.25$ $b: 22.73$

DATE: 1980/ 68 - 1981/ 63
 LIVETIME: 33922.8s
 ROLL ANGLE: -100.8°

NH: $8.1\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3949	1L	17 44 48.9	20 46 24	50	0.0067	0.0012	101.2	112.8	5.5	1.9	0	23.3		
3951	2L	17 45 17.3	20 33 19	42	0.00458	0.00083	93.9	97.1	5.4	0.8	0	13.6		
3953	3L	17 46 16.2	20 34 48	31	0.0260	0.0014	657.4	217.6	18.9	1.2	0	0.2		
3955	4L	17 46 38.6	20 47 56	55	0.00281	0.00074	57.3	85.7	3.7	0.3	0	14.2		



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $17^h 46^m 24.8^s$ $-41^\circ 03' 59''$ (B1950)
 $17^h 49^m 56.7^s$ $-41^\circ 04' 51''$ (J2000)
 l : 350.01 b : -7.00

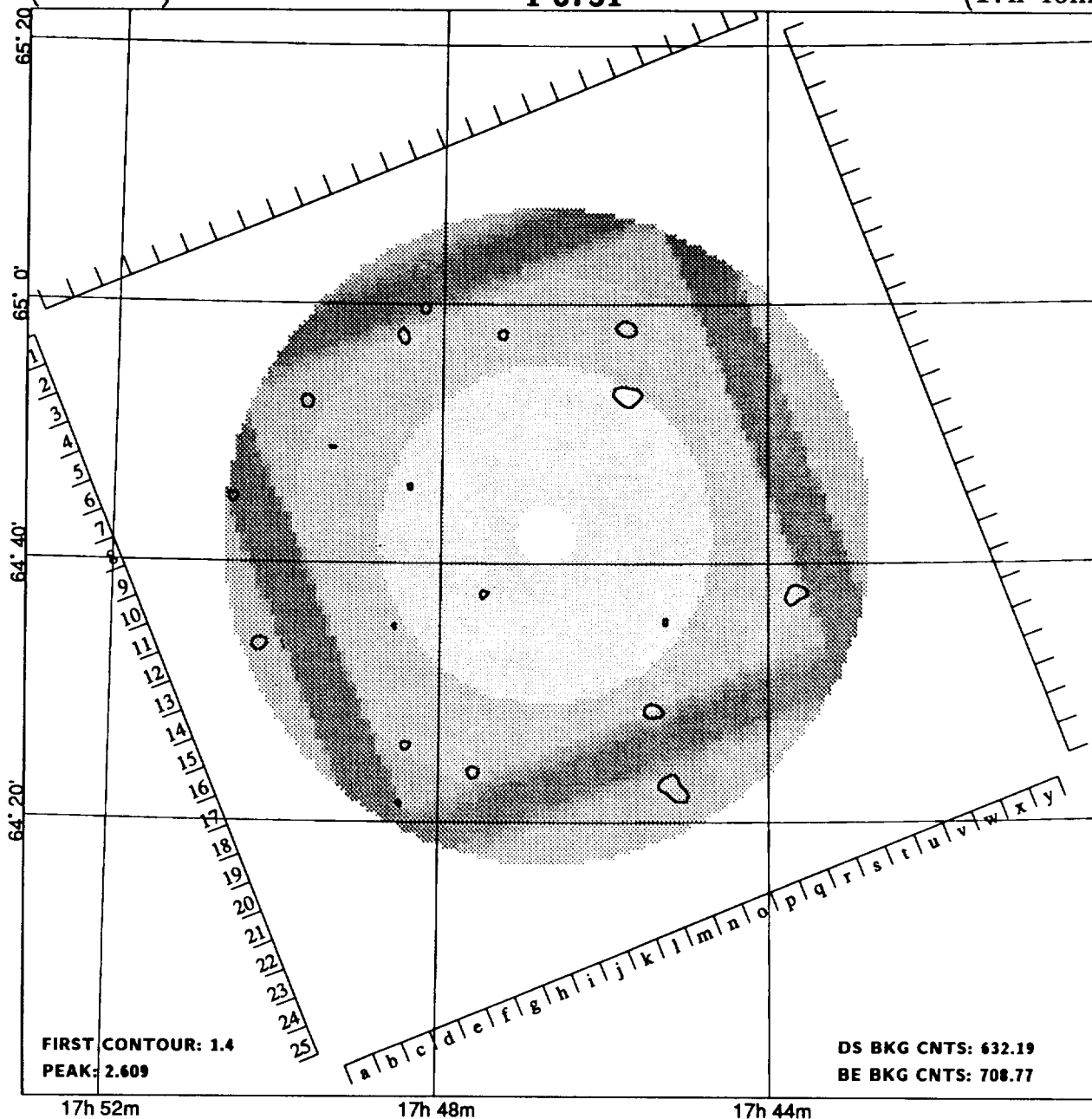
DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 2457.0s
 ROLL ANGLE: -96.1°

NH: $2.5E+21$
 REF/ID:
 FIELD FLAGS: L

(17h 46m)

I 8751

(17h 46m)



GSFC NEP SURVEY - FIELD # 18 -2 -2

FIELD CENTER: 17^h46^m31.4^s 64°40'45" (B1950)
17^h46^m44.3^s 64°39'47" (J2000)
 ℓ : 94.21 b : 31.21

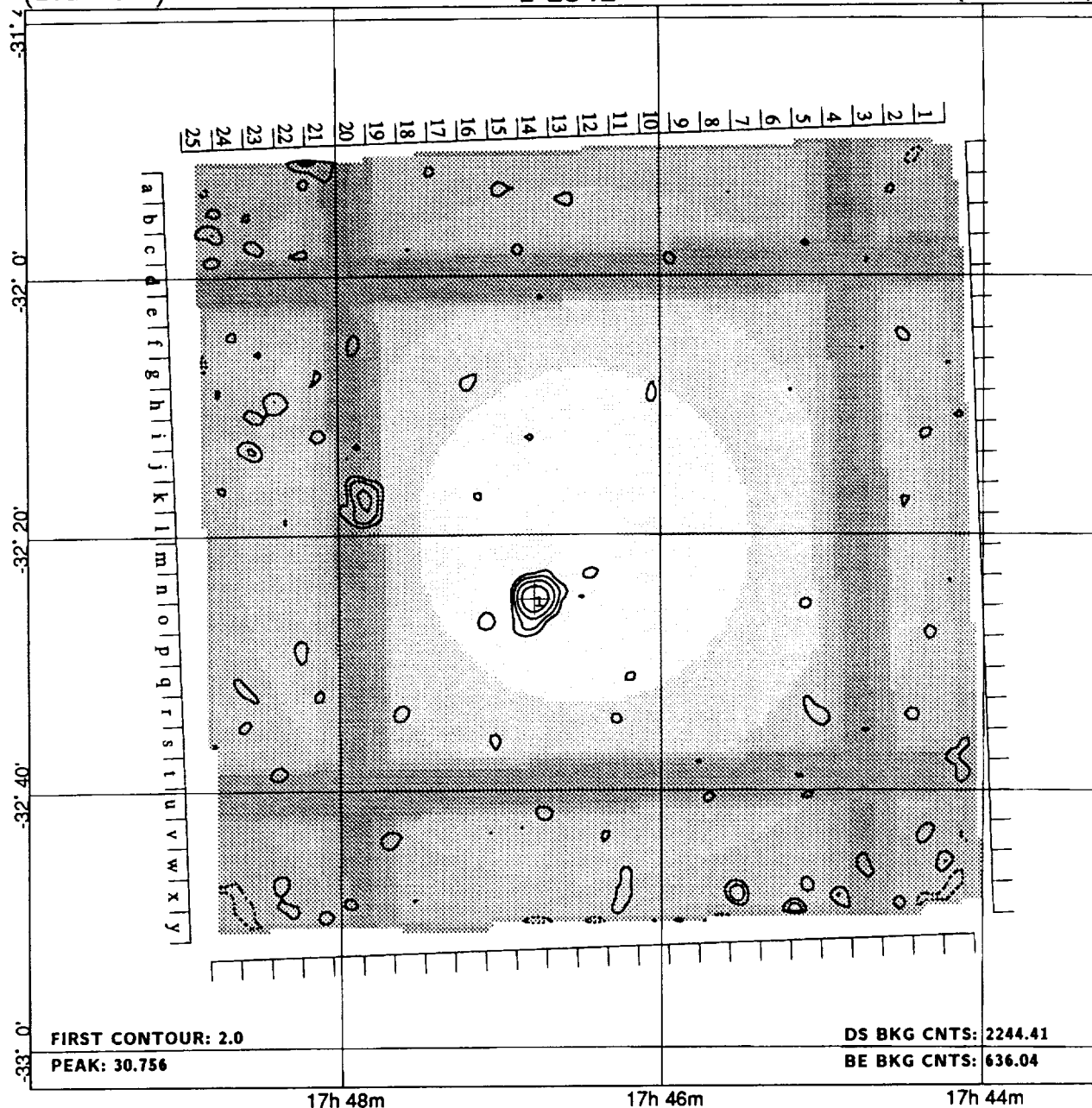
DATE: 1980/146 - 1980/146
LIVETIME: 512.3s
ROLL ANGLE: -22.2°

NH: 3.4E+20
REF/ID:
FIELD FLAGS: L

(17h 46m)

I 2542

(17h 46m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}46^{\text{m}}36.2^{\text{s}}$ $-32^{\circ}21'02''$ (B1950)
 $17^{\text{h}}49^{\text{m}}52.2^{\text{s}}$ $-32^{\circ}21'54''$ (J2000)
 $l: 357.54$ $b: -2.55$

DATE: 1979/266 - 1979/266
 LIVETIME: 1818.7s
 ROLL ANGLE: 88.2°

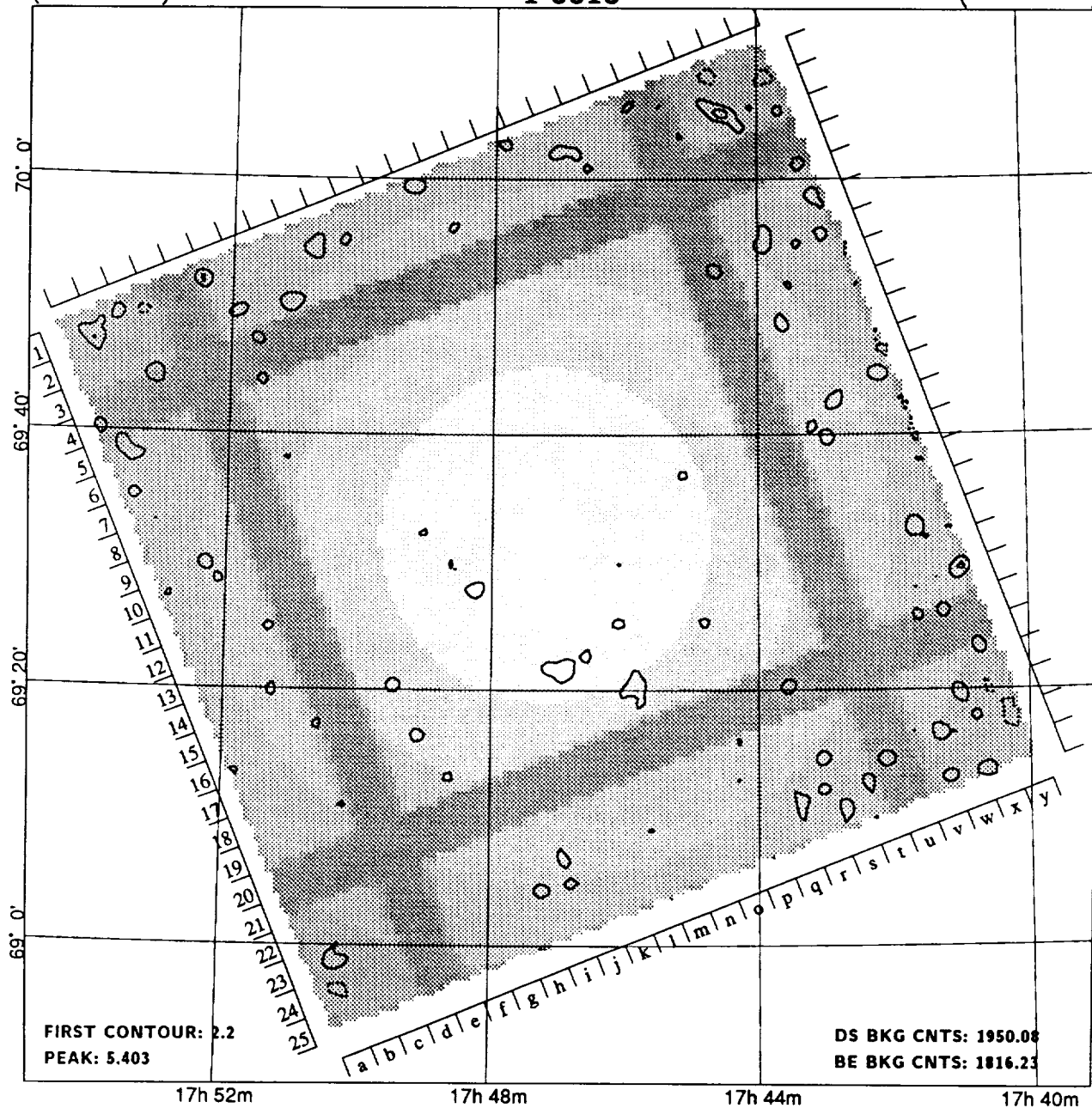
NH: $5.7\text{E}+21$
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3957	1L	17 46 47.1	-32 25 04	31	0.098	0.010	126.2	5.8	9.7	1.1	0	4.7		GLB

(17h 46m)

I 8813

(17h 46m)



GSFC NEP SURVEY - FIELD # 80 4 2

FIELD CENTER: $17^h 46^m 58.5^s$ $69^\circ 31' 16''$ (B1950)
 $17^h 46^m 33.8^s$ $69^\circ 30' 19''$ (J2000)
 $l: 99.86$ $b: 30.94$

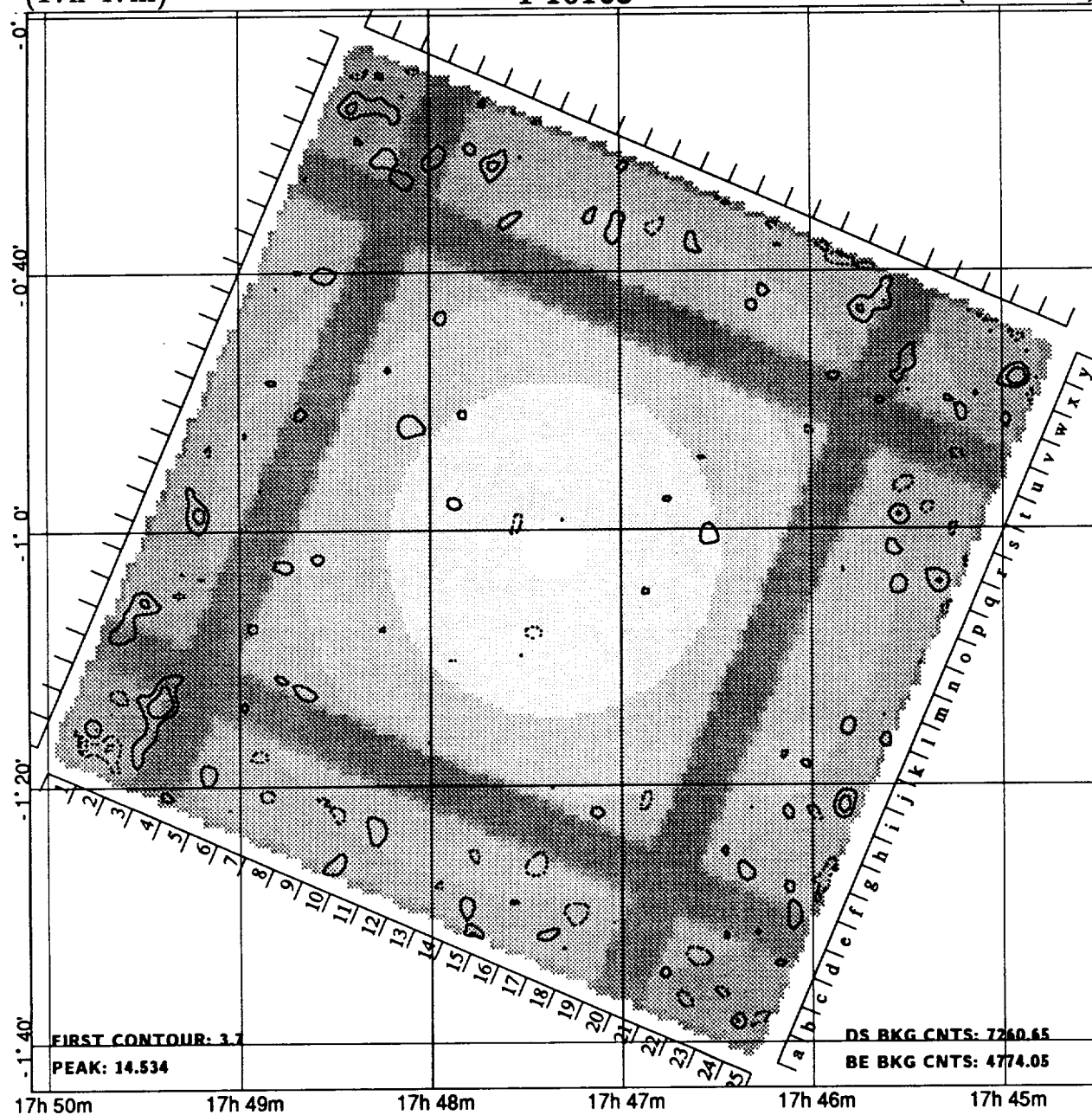
DATE: 1980/149 - 1980/149
LIVETIME: 1580.2s
ROLL ANGLE: -21.7°

NH: $4.1E+20$
REF/ID:
FIELD FLAGS:

(17h 47m)

I 10165

(17h 47m)



H1752-008

FIELD CENTER: 17^h47^m17.8^s -01°01'29" (B1950)
 17^h49^m52.8^s -01°02'19" (J2000)
 ℓ : 24.84 b : 13.17

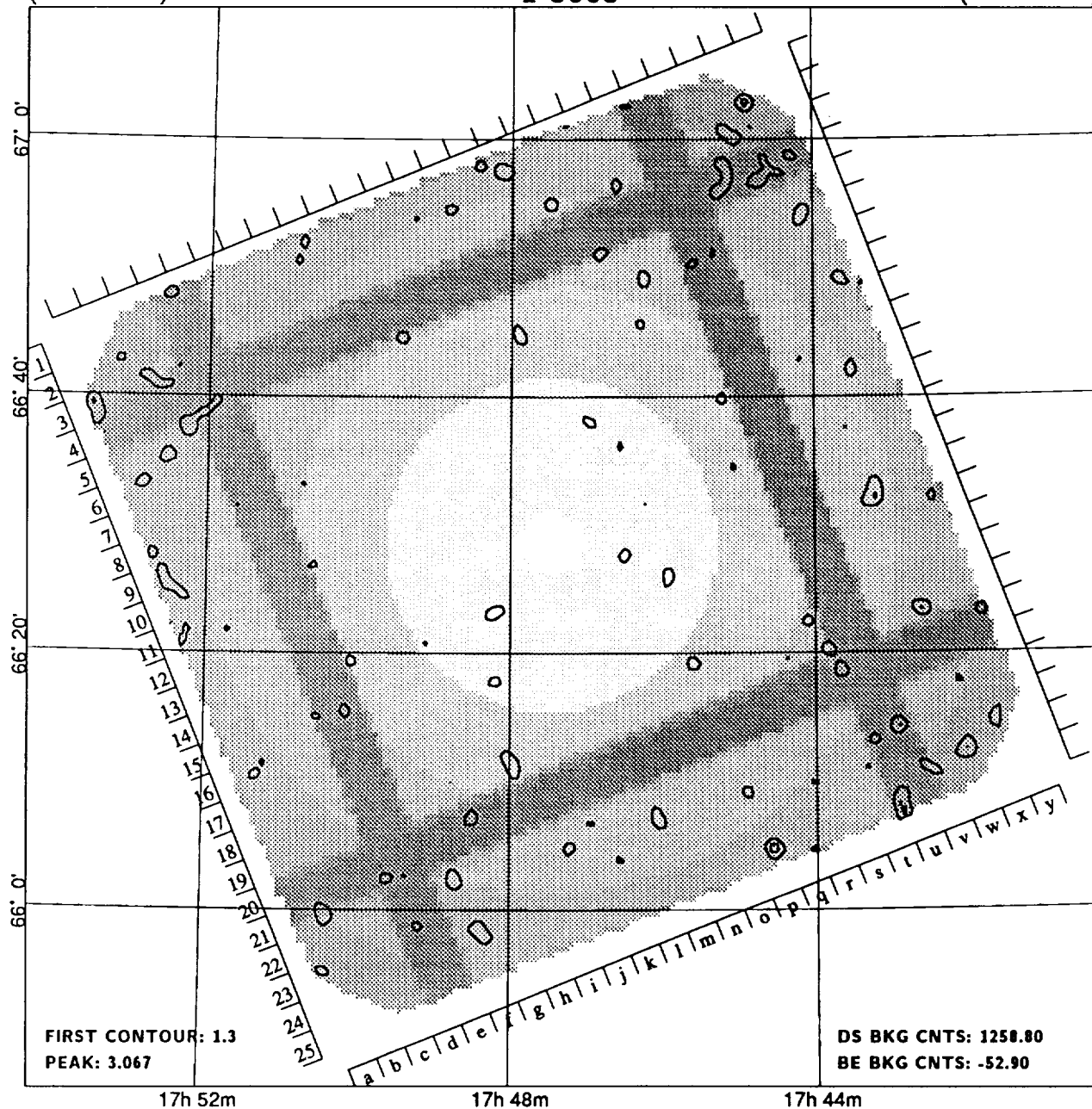
DATE: 1981/ 95 - 1981/ 95
 LIVETIME: 5883.5s
 ROLL ANGLE: -66.7°

NH: 1.5E+21
 REF/ID:
 FIELD FLAGS: L

(17h 47m)

I 8665

(17h 47m)

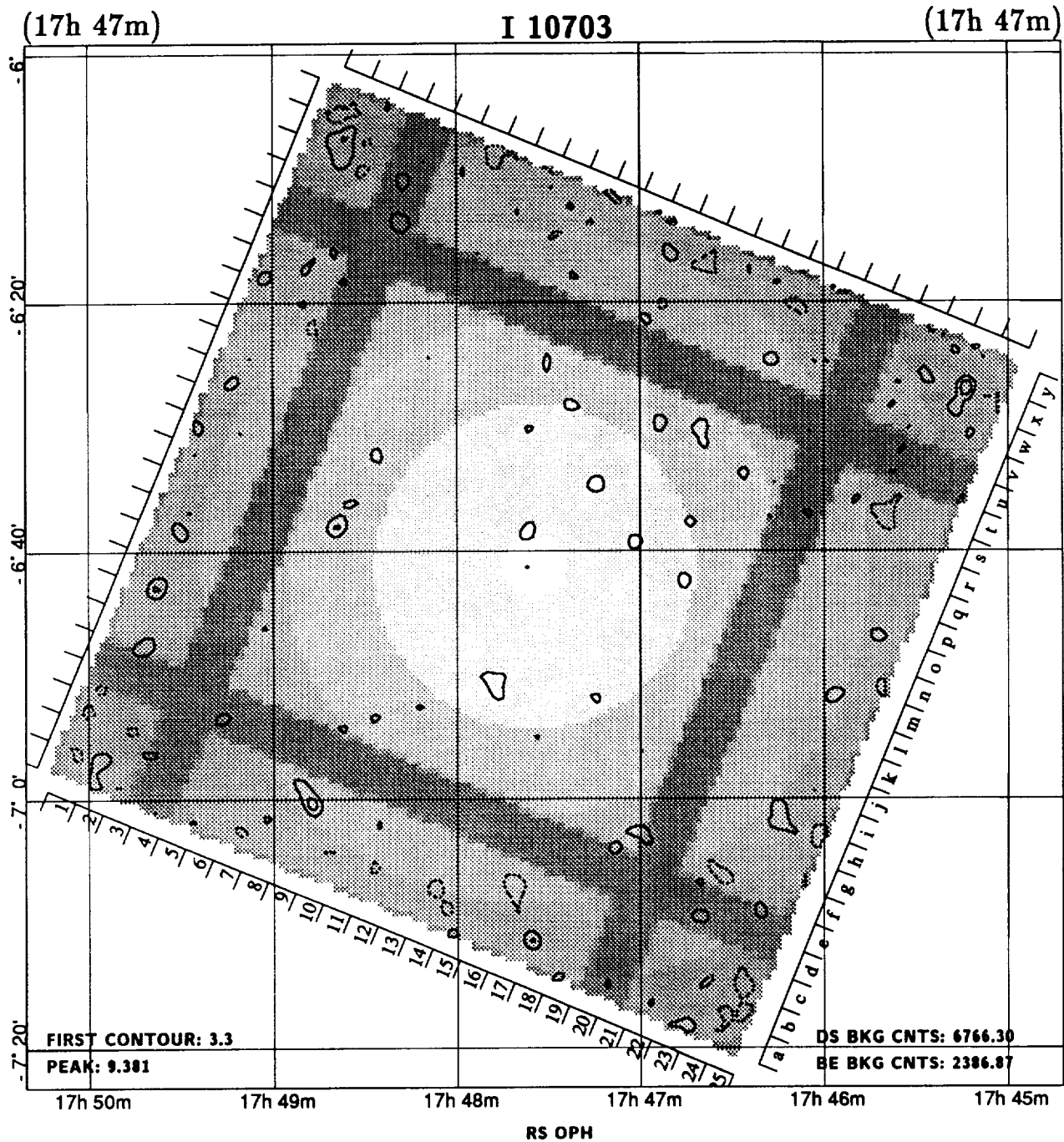


GSFC NEP SURVEY - FIELD # 171 1 -7

FIELD CENTER: $17^h 47^m 20.3^s$ $66^\circ 28' 18''$ (B1950)
 $17^h 47^m 21.0^s$ $66^\circ 27' 22''$ (J2000)
 $l: 96.30$ $b: 31.07$

DATE: 1980/148 - 1980/148
 LIVETIME: 1020.0s
 ROLL ANGLE: -21.8°

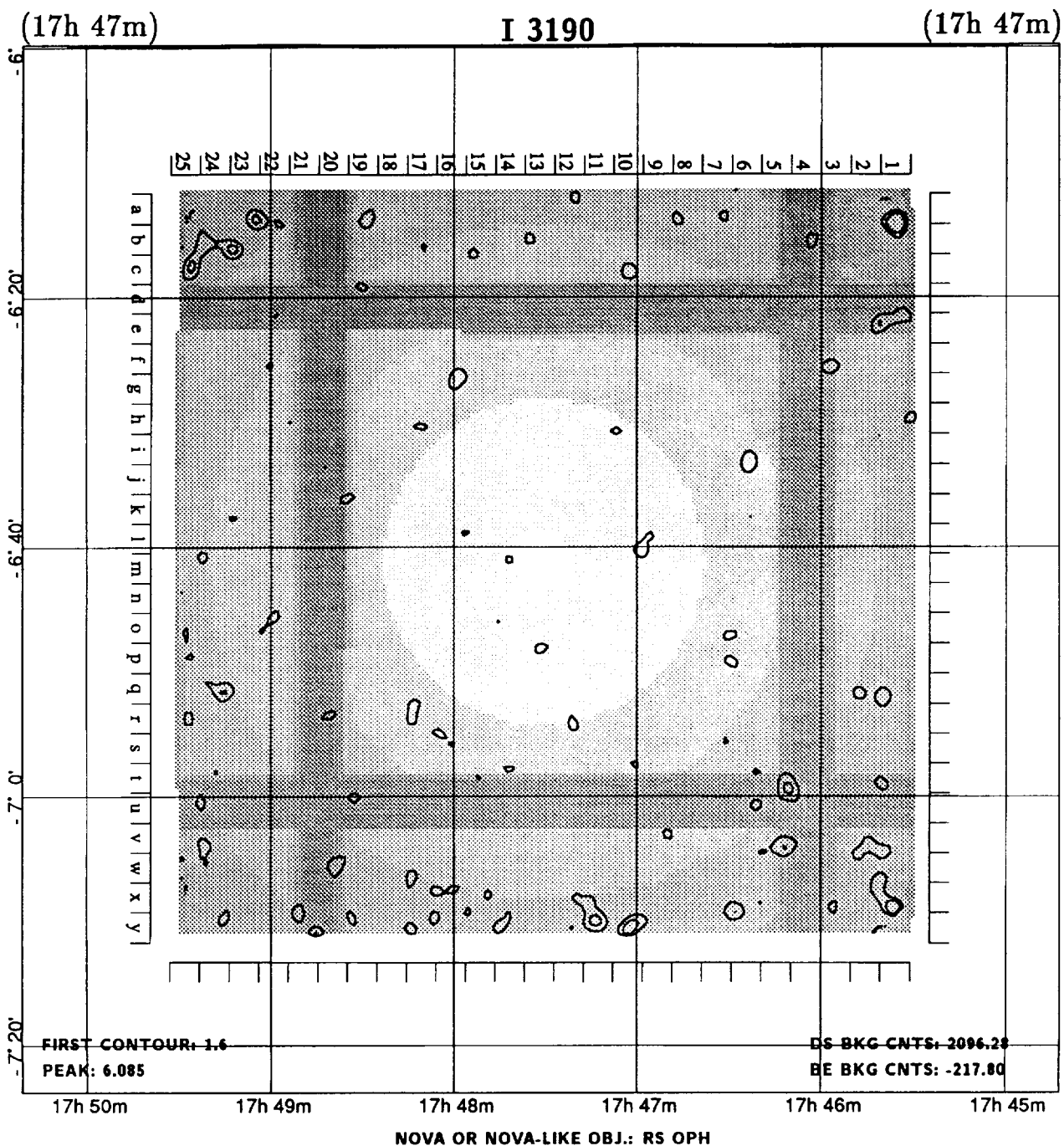
NH: $4.1E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $17^h 47^m 31.2^s$ $-06^\circ 41' 05''$ (B1950)
 $17^h 50^m 12.9^s$ $-06^\circ 41' 54''$ (J2000)
 $l: 19.81$ $b: 10.38$

DATE: 1981/ 93 - 1981/ 94
 LIVETIME: 5482.9s
 ROLL ANGLE: -67.6°

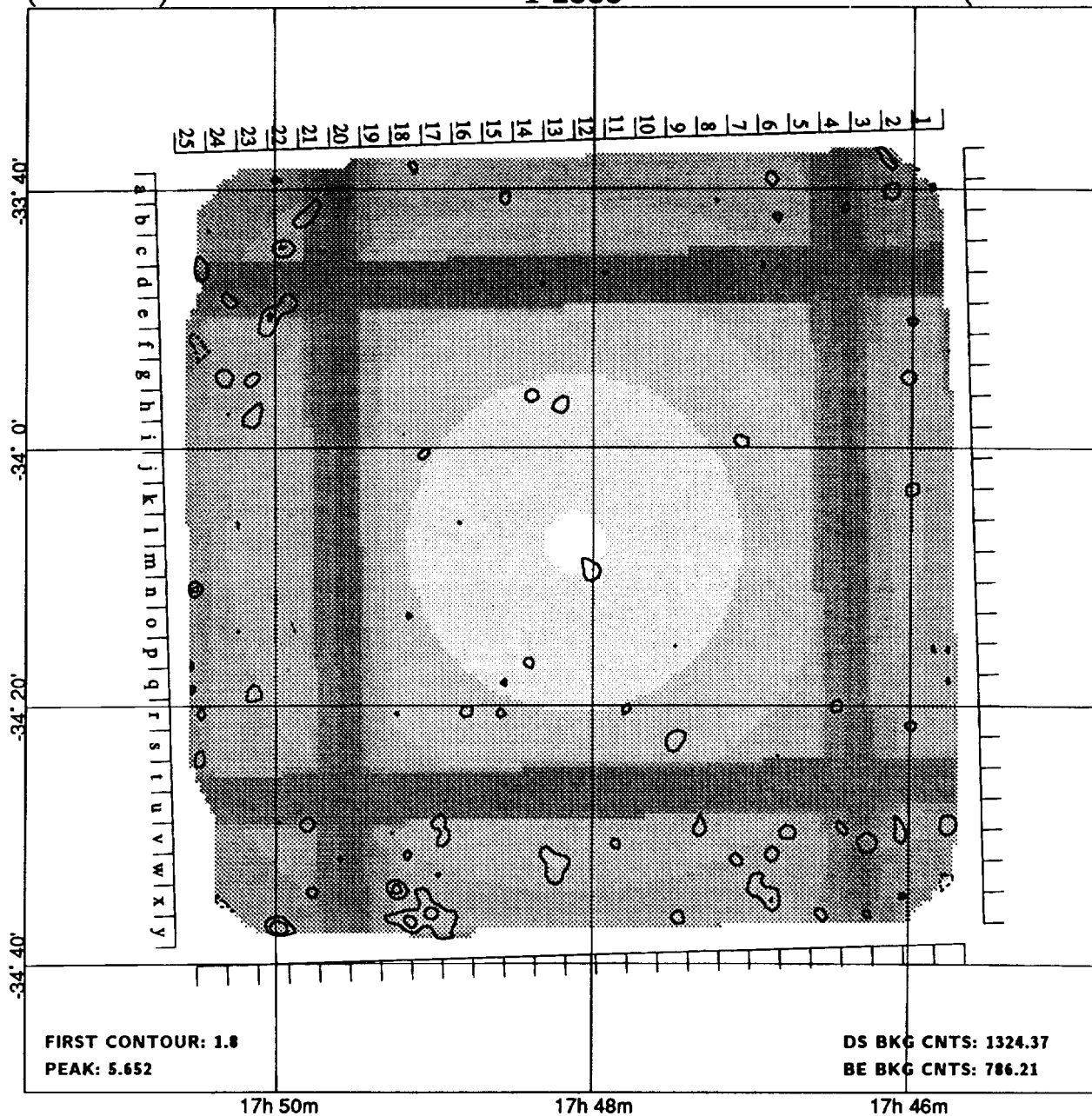
NH: 2.3E+21
 REF/ID:
 FIELD FLAGS:



(17h 48m)

I 2535

(17h 48m)



GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}48^{\text{m}}10.7^{\text{s}}$ $-34^{\circ}00'01''$ (B1950)
 $17^{\text{h}}51^{\text{m}}29.7^{\text{s}}$ $-34^{\circ}00'46''$ (J2000)
 $l: 356.17$ $b: -3.75$

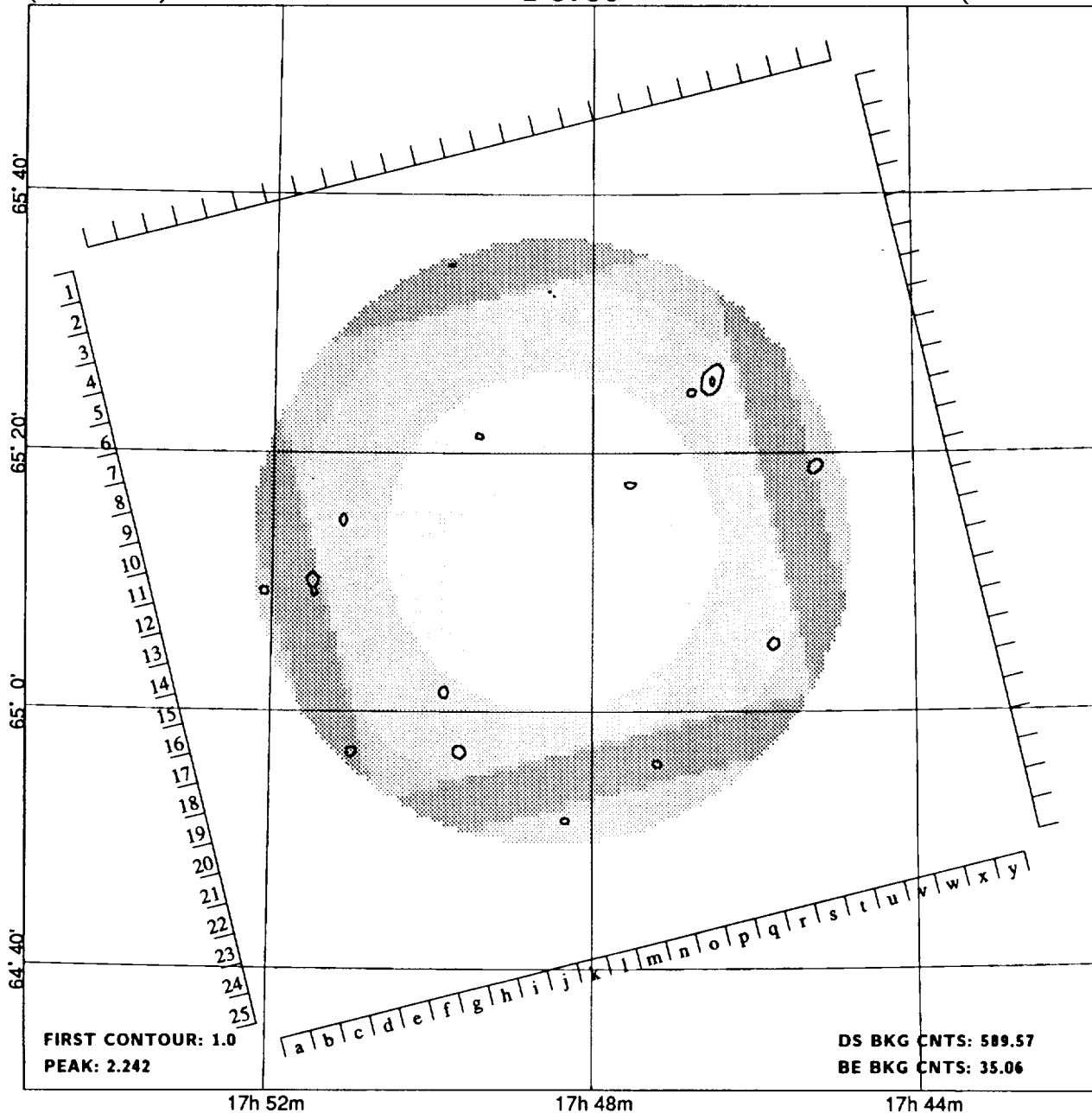
DATE: 1979/266 - 1979/266
 LIVETIME: 1073.2s
 ROLL ANGLE: 88.3°

NH: $3.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 48m)

I 8750

(17h 48m)

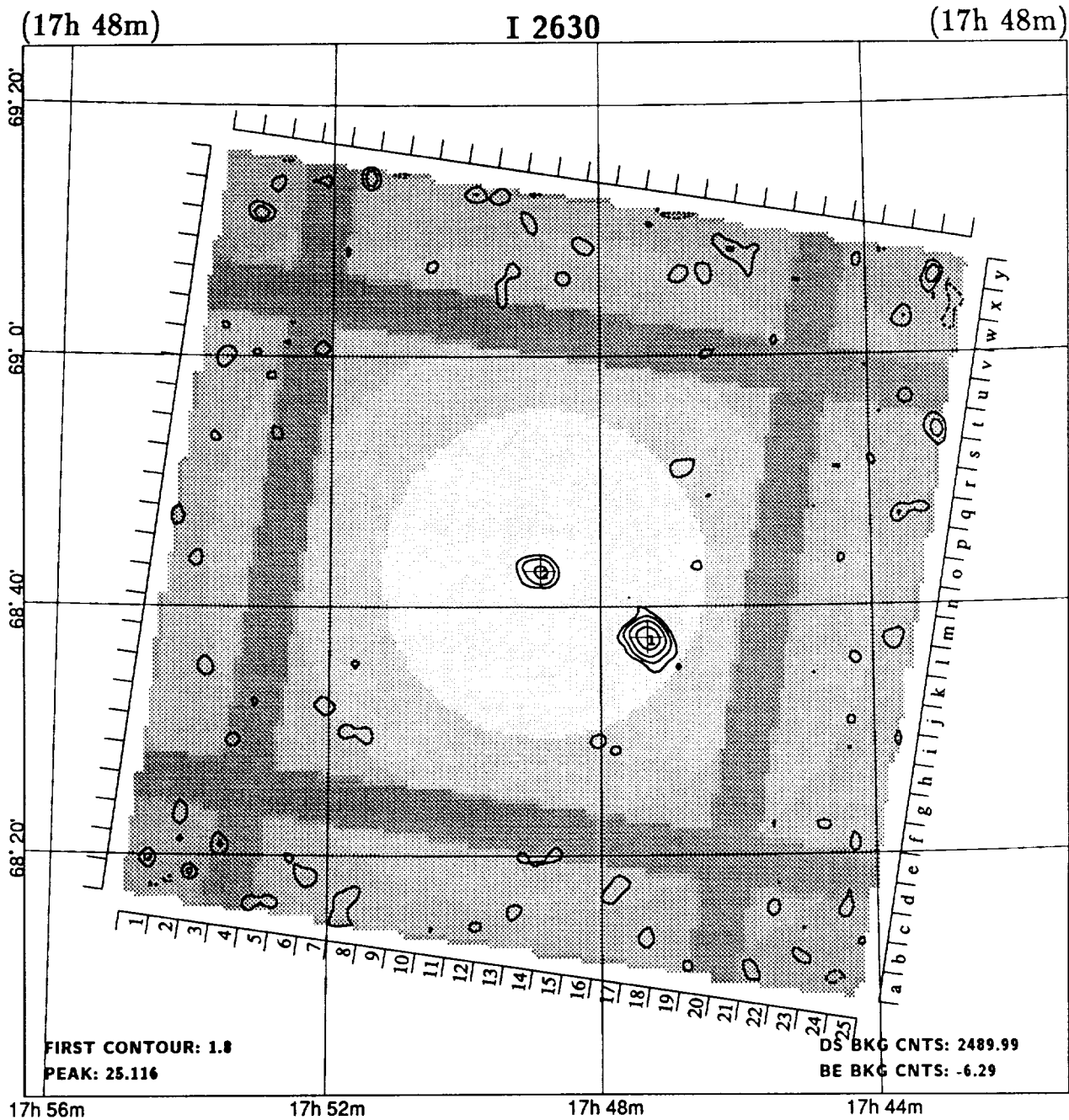


GSFC NEP SURVEY - FIELD # 17 -2 -1

FIELD CENTER: 17^h48^m23.9^s 65°12'35" (B1950)
17^h48^m33.3^s 65°11'45" (J2000)
 l : 94.82 b : 31.00

DATE: 1980/148 - 1980/148
LIVETIME: 477.7s
ROLL ANGLE: -14.1°

NH: 3.6E+20
REF/ID:
FIELD FLAGS:



SEYFERT GALAXY SURVEY: MKN 507

FIELD CENTER: $17^{\text{h}}48^{\text{m}}47.8^{\text{s}}$ $68^{\circ}42'59''$ (B1950)
 $17^{\text{h}}48^{\text{m}}30.4^{\text{s}}$ $68^{\circ}42'09''$ (J2000)
 $l: 98.91$ $b: 30.83$

DATE: 1979/ 86 - 1979/ 86
 LIVETIME: 2017.7s
 ROLL ANGLE: -81.5°

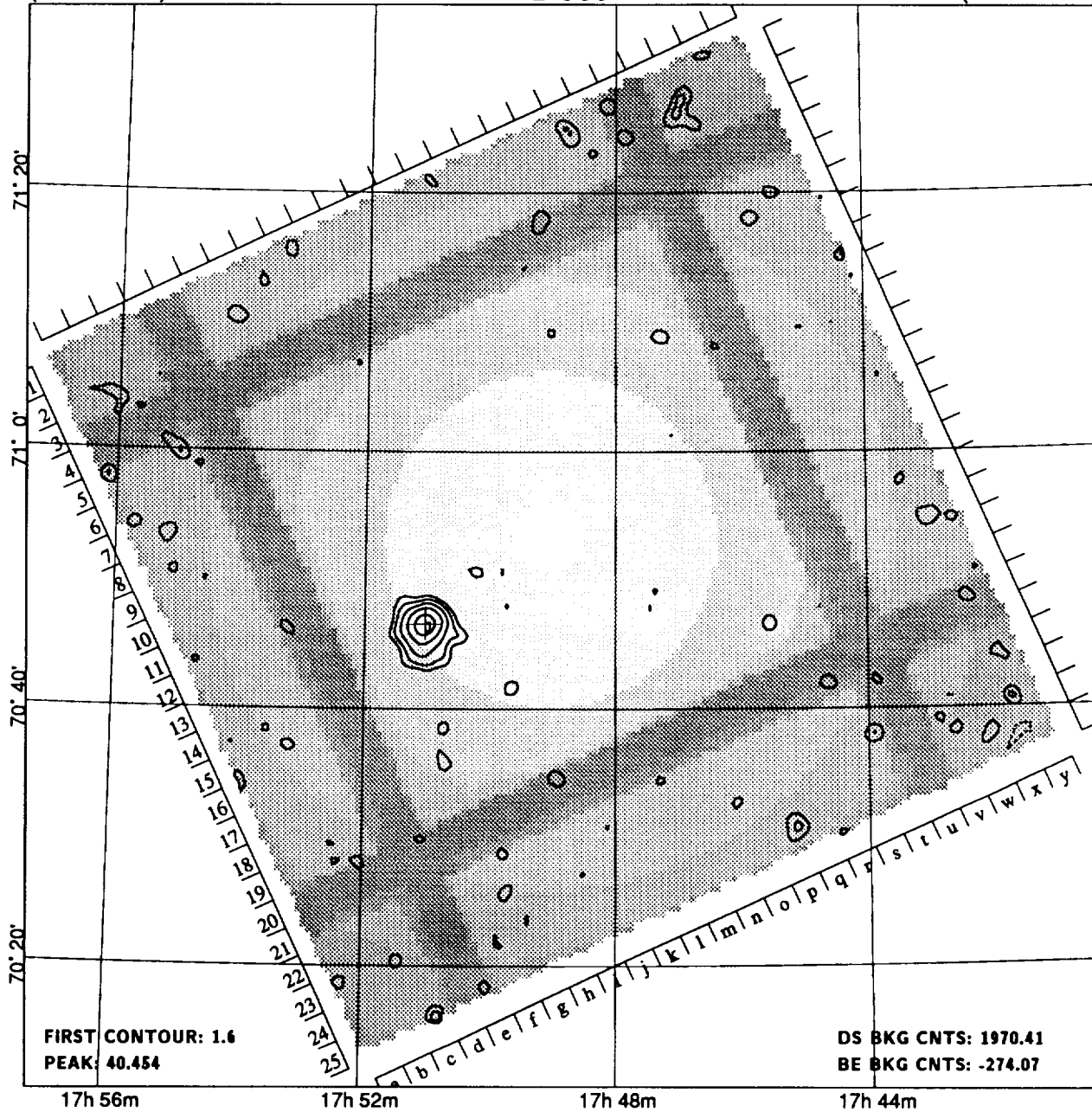
NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3960	1	17 47 18.7	68 37 32	38	0.0678	0.0073	91.6	5.4	9.3	1.1	0	9.4	H	AGN
3963	2	17 48 53.4	68 42 52	35	0.0234	0.0043	35.2	5.8	5.5	0.9	0	0.4	H	SY

(17h 48m)

I 889

(17h 48m)



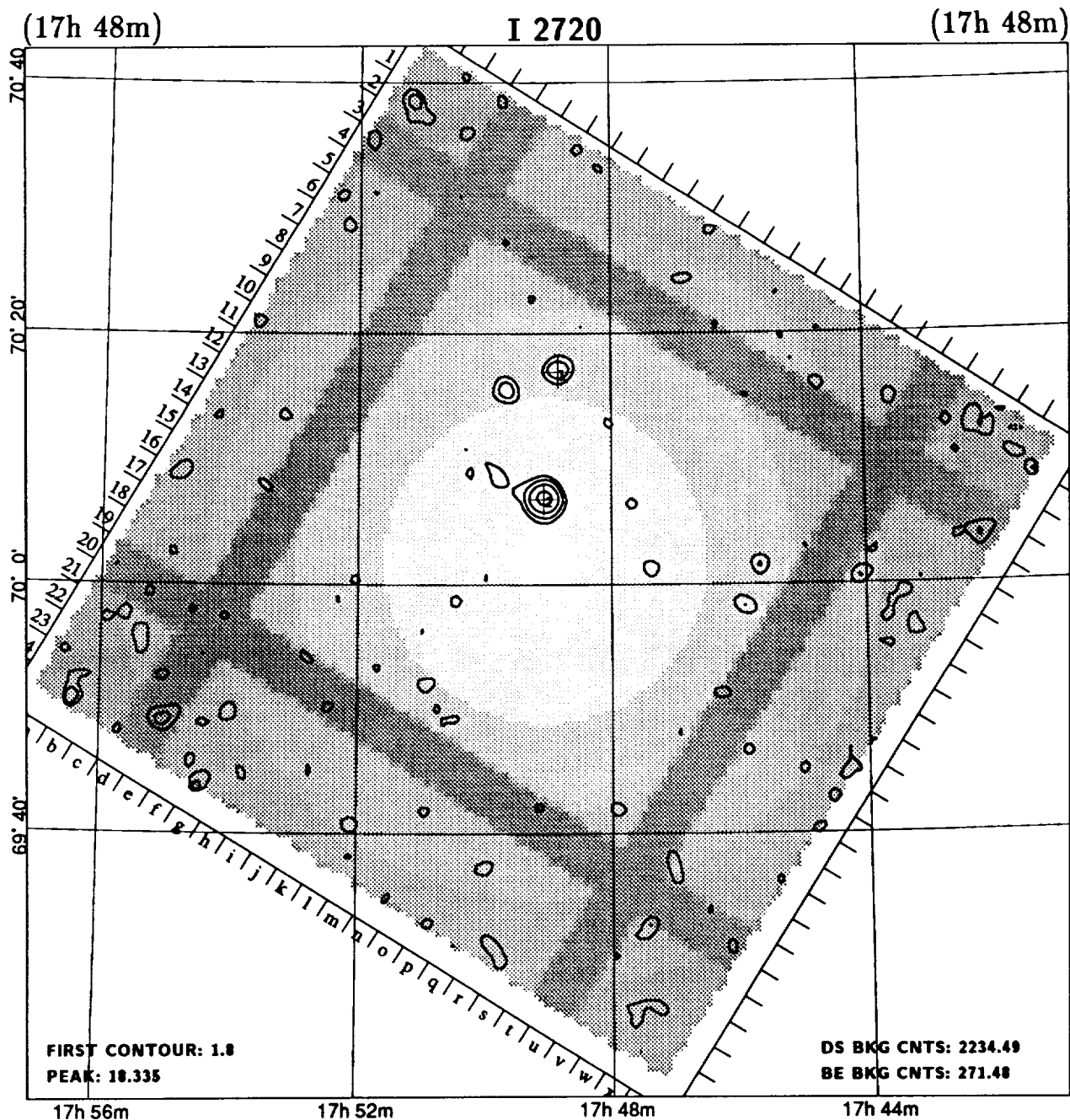
GR372 (G240-72) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $17^{\text{h}}48^{\text{m}}52.8^{\text{s}}$ $70^{\circ}52'41''$ (B1950)
 $17^{\text{h}}48^{\text{m}}14.2^{\text{s}}$ $70^{\circ}51'51''$ (J2000)
 $l: 101.42$ $b: 30.68$

DATE: 1979/144 - 1979/144
 LIVETIME: 1596.7s
 ROLL ANGLE: -24.7°

NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3969	1	17 51 02.2	70 46 36	38	0.124	0.011	127.7	4.3	11.1	1.3	0	12.4	AH	S



QUASAR SURVEY: 1749+701

FIELD CENTER: 17^h48^m59.8^s 70°00'59" (B1950)
17^h48^m30.1^s 70°00'10" (J2000)
 ℓ : 100.42 b : 30.73

DATE: 1979/203 - 1979/203
LIVETIME: 1810.7s
ROLL ANGLE: 31.0°

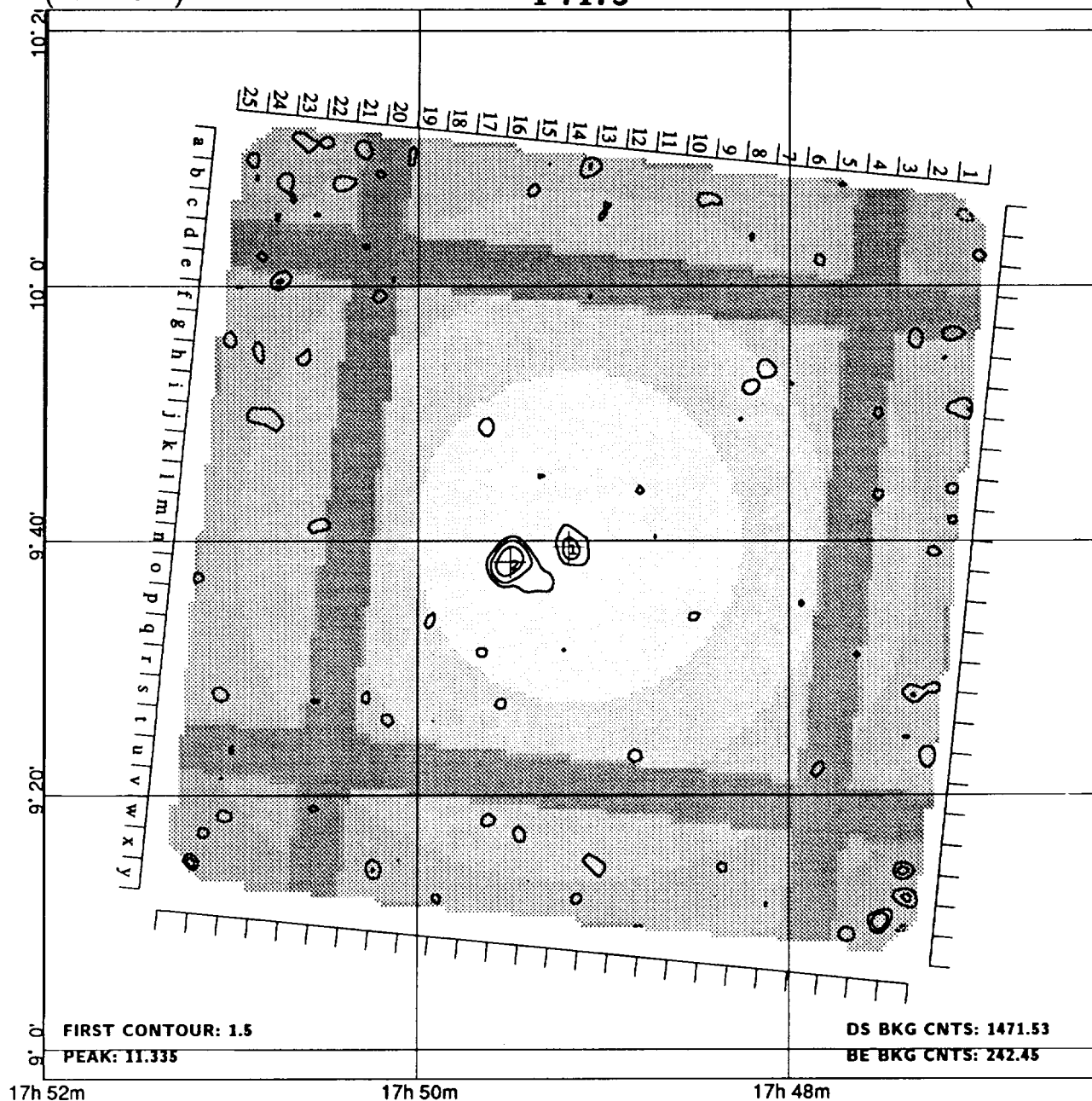
NH: 4.0E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3962	1	17 48 50.7	70 16 55	53	0.0171	0.0046	18.1	5.9	3.7	0.7	0	15.9	
3964	2	17 49 04.1	70 06 46	38	0.0531	0.0067	68.7	6.3	7.9	1.0	0	5.7	AH

(17h 49m)

I 7175

(17h 49m)



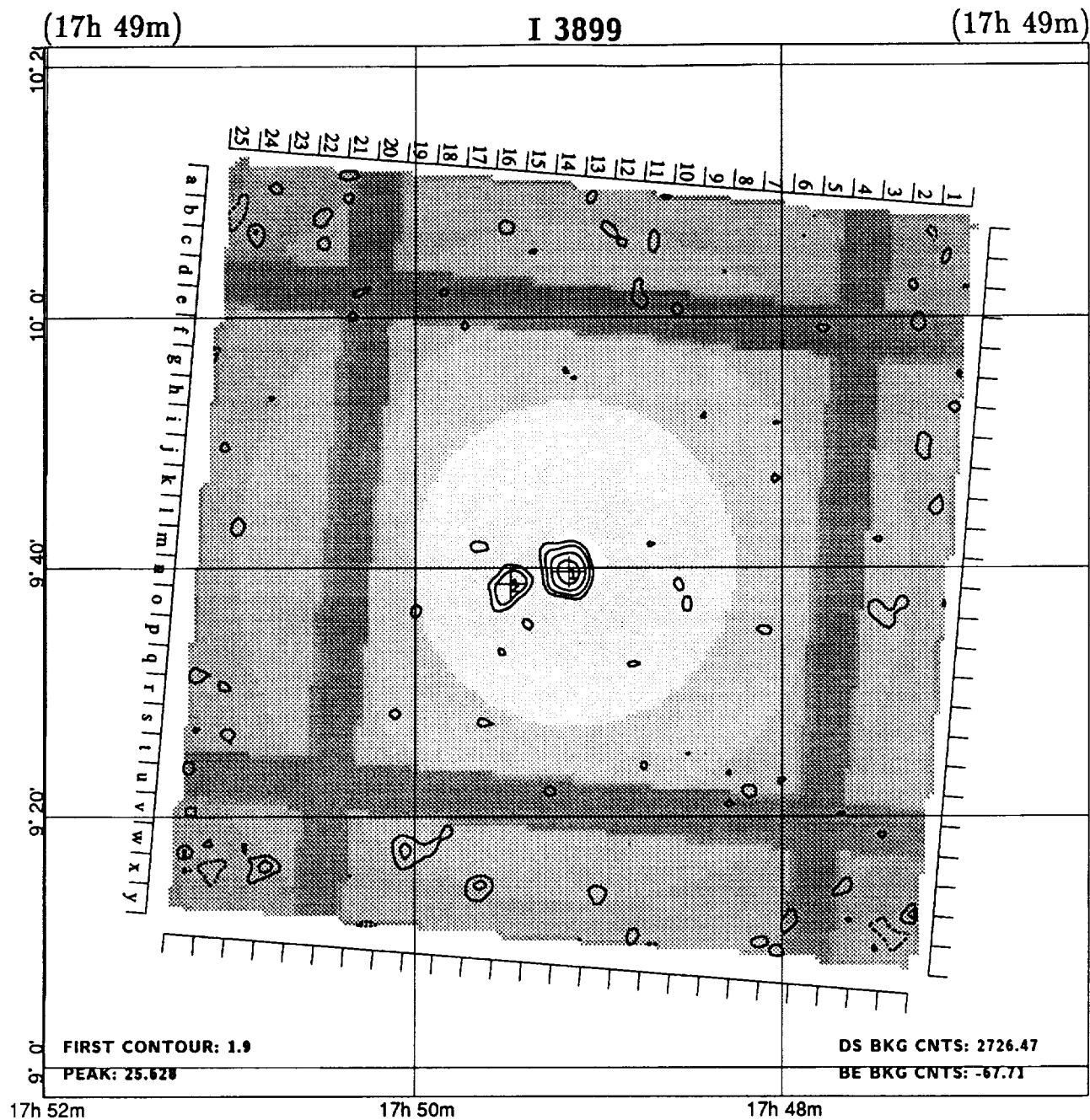
OT 081, BURSTING RADIO SOURCE

FIELD CENTER: 17^h49^m10.1^s 09°39'39" (B1950)
17^h51^m32.5^s 09°38'57" (J2000)
ℓ: 34.92 b: 17.65

DATE: 1980/282 - 1980/282
LIVETIME: 1192.4s
ROLL ANGLE: 95.7°

NH: 9.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3965	1	17 49 11.2	09 39 30	37	0.0197	0.0053	17.5	4.5	3.7	0.9	0	0.2	A	BL
3967	2	17 49 30.0	09 38 20	41	0.0534	0.0083	45.1	3.9	6.4	1.2	0	5.1	AH	



1749+096, BL-LAC OBJECT

FIELD CENTER: $17^h 49^m 10.3^s$ $09^\circ 39' 42''$ (B1950)
 $17^h 51^m 32.8^s$ $09^\circ 39' 00''$ (J2000)
 ℓ : 34.92 b : 17.65

DATE: 1979/268 - 1979/268
 LIVETIME: 2209.3s
 ROLL ANGLE: 94.7°

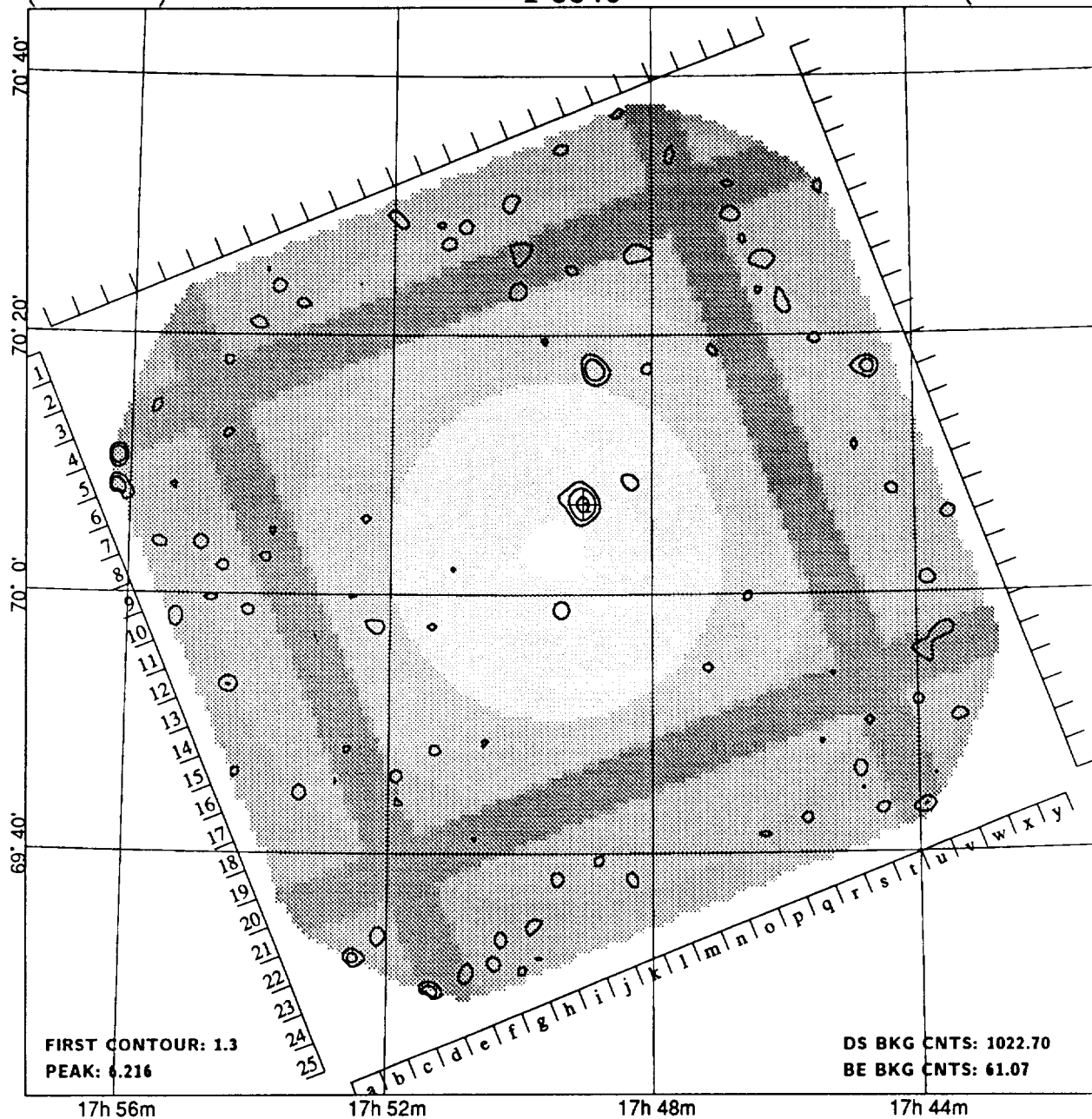
NH: $9.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3965	1	17 49 09.8	09 39 41	31	0.0634	0.0064	104.5	6.5	9.9	1.2	0	0.2	AH	BL
3967	2	17 49 28.8	09 38 42	36	0.0197	0.0039	31.0	6.0	5.1	1.0	0	4.8	AH	

(17h 49m)

I 8846

(17h 49m)



FIELD CENTER: $17^{\text{h}}49^{\text{m}}21.8^{\text{s}}$ $70^{\circ}03'25''$ (B1950)
 $17^{\text{h}}48^{\text{m}}51.7^{\text{s}}$ $70^{\circ}02'37''$ (J2000)
 $l: 100.46$ $b: 30.70$

DATE: 1980/148 - 1980/148
 LIVETIME: 828.7s
 ROLL ANGLE: -21.9°

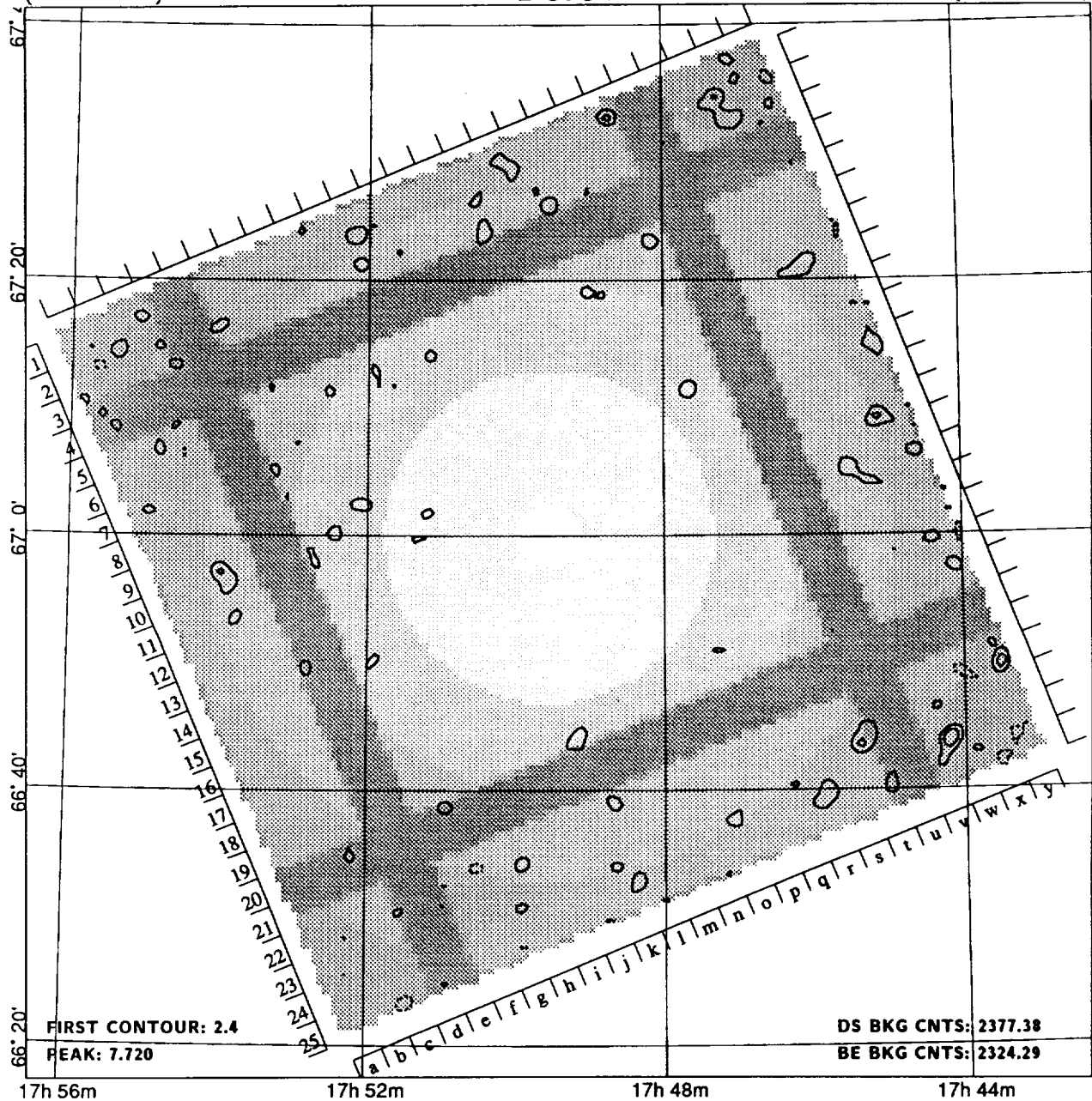
NH: $4.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3964	1	17 49 03.3	70 07 01	36	0.0338	0.0080	20.1	2.9	4.2	0.9	0	4.1	AH

(17h 49m)

I 8754

(17h 49m)



GSFC NEP SURVEY - FIELD # 21 1 -2

FIELD CENTER: $17^{\text{h}}49^{\text{m}}24.6^{\text{s}}$ $66^{\circ}59'38''$ (B1950)
 $17^{\text{h}}49^{\text{m}}21.3^{\text{s}}$ $66^{\circ}58'51''$ (J2000)
 $l: 96.90$ $b: 30.85$

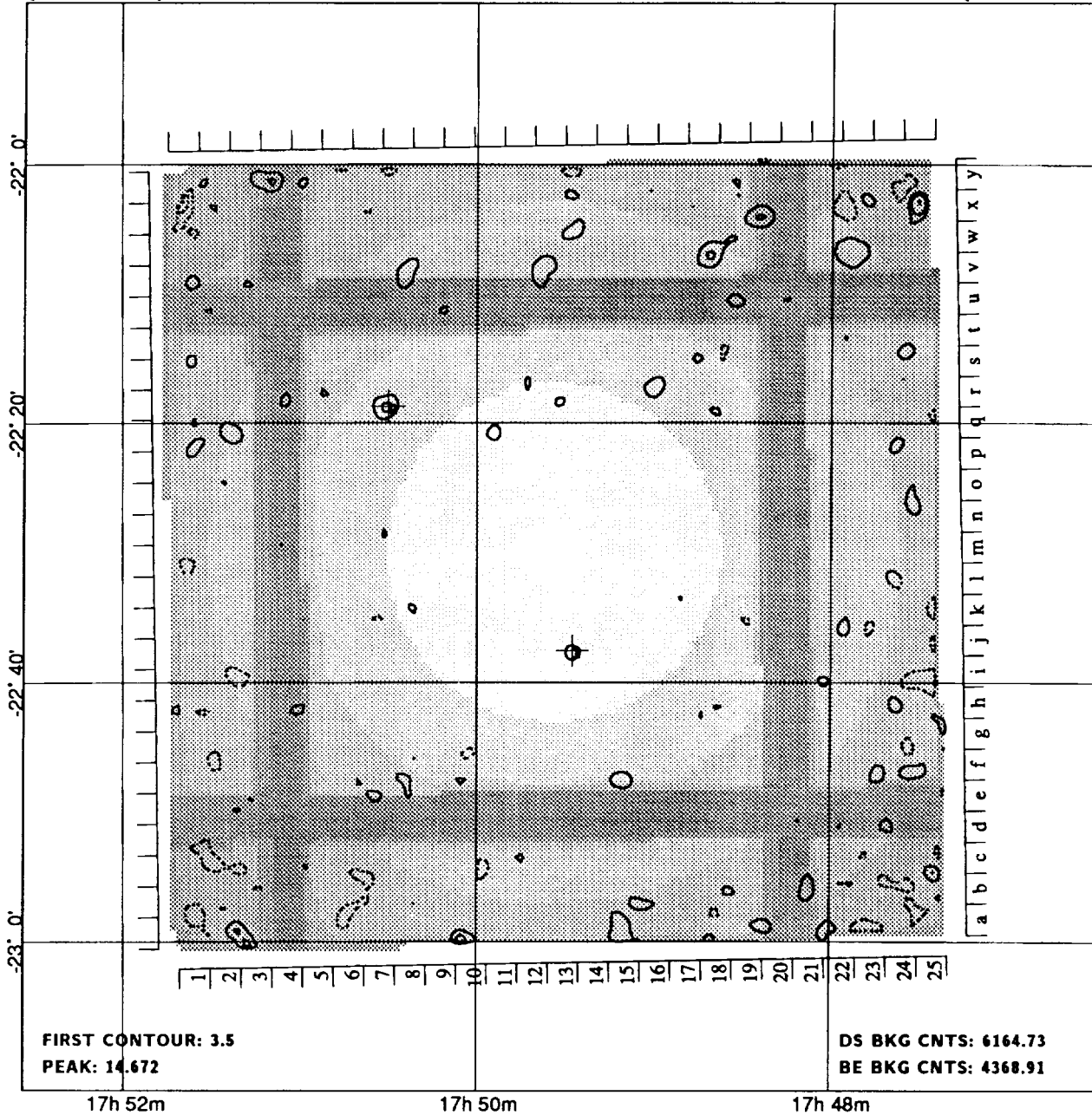
DATE: 1980/148 - 1980/148
LIVETIME: 1926.5s
ROLL ANGLE: -22.3°

NH: $4.3\text{E}+20$
REF/ID:
FIELD FLAGS:

(17h 49m)

I 5319

(17h 49m)



SEARCH FOR YOUNG GALACTIC SNR

FIELD CENTER: $17^{\text{h}}49^{\text{m}}31.7^{\text{s}}$ $-22^{\circ}29'35''$ (B1950)
 $17^{\text{h}}52^{\text{m}}33.1^{\text{s}}$ $-22^{\circ}30'14''$ (J2000)
 ℓ : 6.32 b : 1.97

DATE: 1981/ 84 - 1981/ 85
 LIVETIME: 4995.5s
 ROLL ANGLE: -91.0°

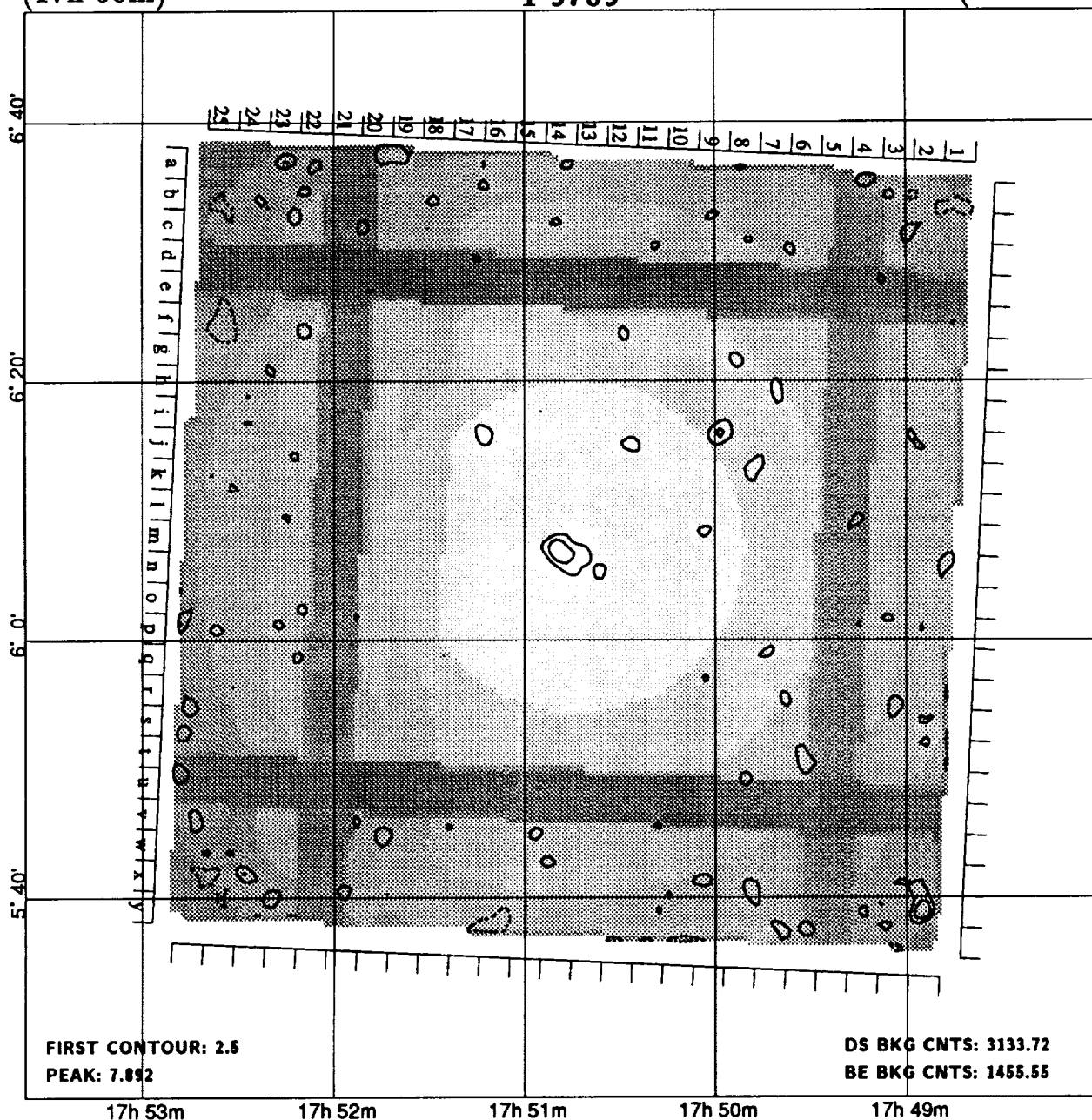
NH: $6.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3966	1L	17 49 27.5	-22 37 31	45	0.0095	0.0024	32.9	16.1	3.8	0.3	0	7.9	
3968	2L	17 50 30.2	-22 18 41	55	0.0108	0.0028	30.1	12.9	3.7	0.5	0	17.4	

(17h 50m)

I 9709

(17h 50m)



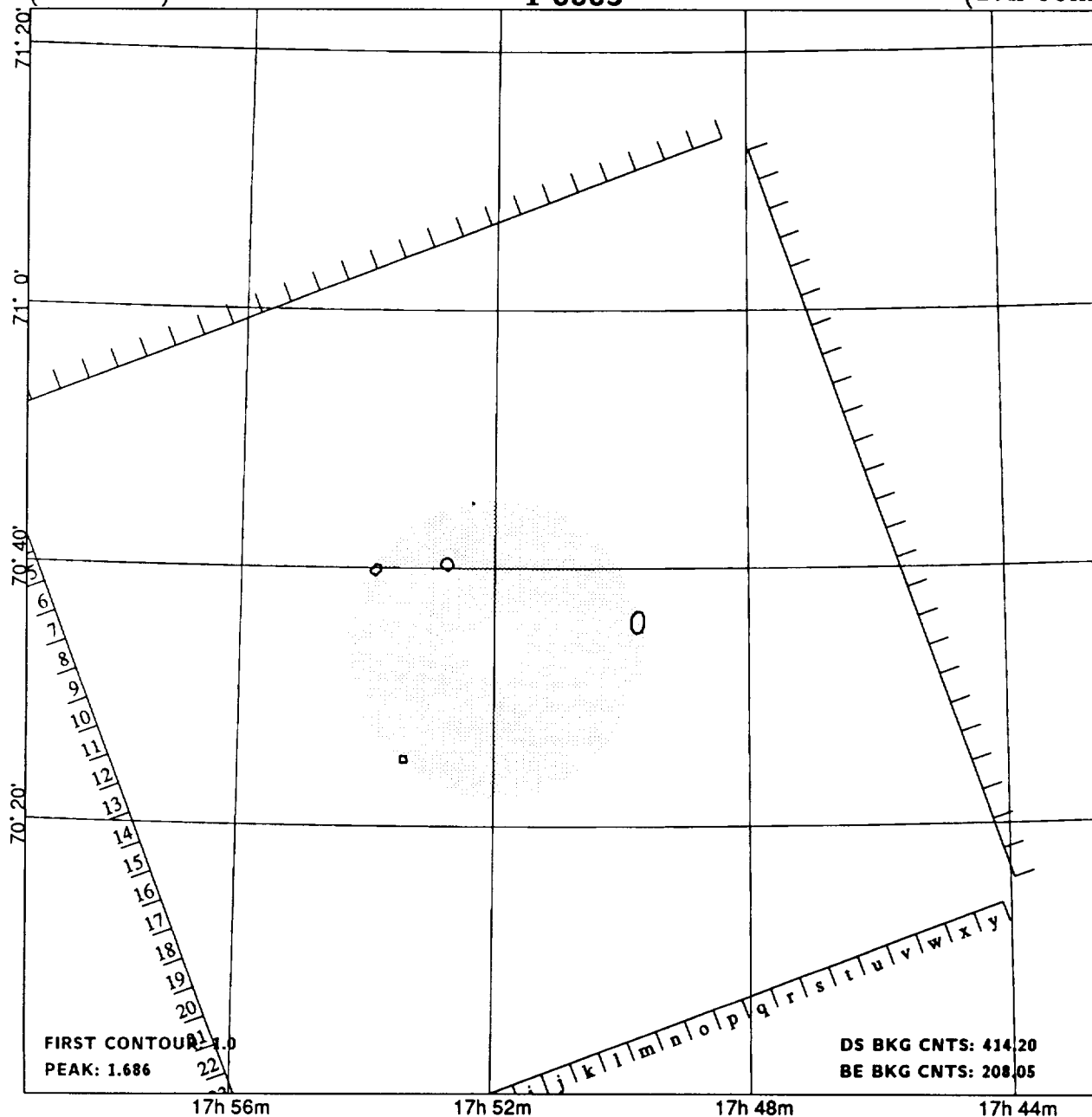
FO-G5 STARS: HR 6670

FIELD CENTER: $17^{\text{h}}50^{\text{m}}47.7^{\text{s}}\ 06^{\circ}06'36''$ (B1950)
 $17^{\text{h}}53^{\text{m}}14.3^{\text{s}}\ 06^{\circ}06'02''$ (J2000)
 $\ell: 31.78\ b: 15.71$

DATE: 1980/284 - 1980/285
LIVETIME: 2539.3s
ROLL ANGLE: 92.7°

NH: $9.5\text{E}+20$
REF/ID: I
FIELD FLAGS: L

(17h 50m)



GSFC NEP SURVEY - FIELD # 150 6 -3

FIELD CENTER: $17^h 50^m 55.6^s$ $70^\circ 41' 16''$ (B1950)
 $17^h 50^m 19.0^s$ $70^\circ 40' 35''$ (J2000)
 ℓ : 101.18 b : 30.52

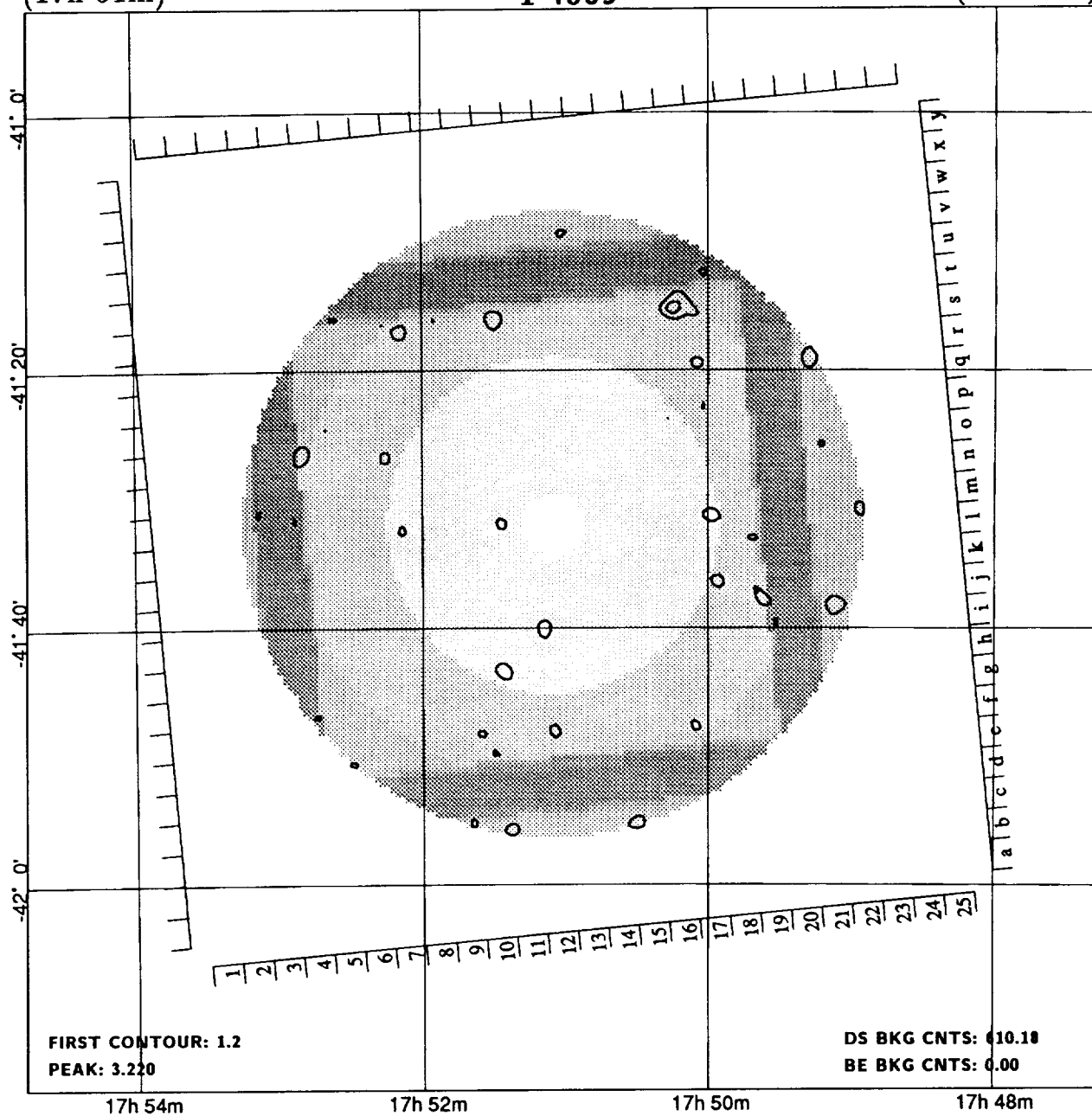
DATE: 1980/149 - 1980/149
LIVETIME: 335.6s
ROLL ANGLE: -20.6°

NH: 4.2E+20
REF/ID:
FIELD FLAGS: S

(17h 51m)

I 4069

(17h 51m)



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $17^h 51^m 00.8^s$ $-41^\circ 33' 59''$ (B1950)
 $17^h 54^m 33.9^s$ $-41^\circ 34' 31''$ (J2000)
 $l: 350.01$ $b: -7.99$

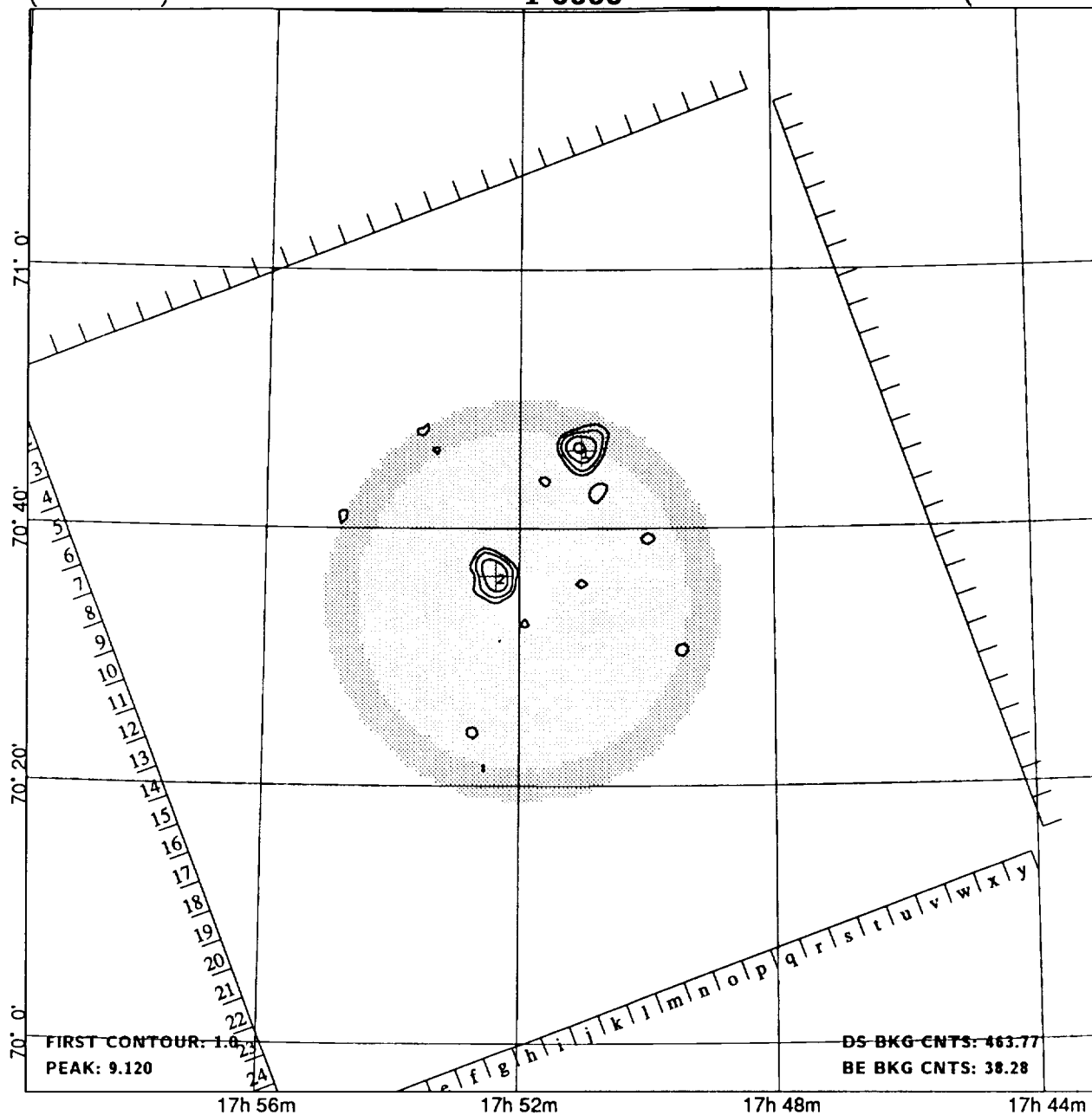
DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 494.4s
 ROLL ANGLE: -95.3°

NH: $1.8E+21$
 REF/ID:
 FIELD FLAGS: L

(17h 51m)

I 8888

(17h 51m)



GSFC NEP SURVEY - FIELD # 155 6 2

FIELD CENTER: $17^h 51^m 18.4^s$ $70^\circ 38' 15''$ (B1950)
 $17^h 50^m 42.3^s$ $70^\circ 37' 36''$ (J2000)
 ℓ : 101.12 b : 30.50

DATE: 1980/150 - 1980/150
 LIVETIME: 375.8s
 ROLL ANGLE: -20.7°

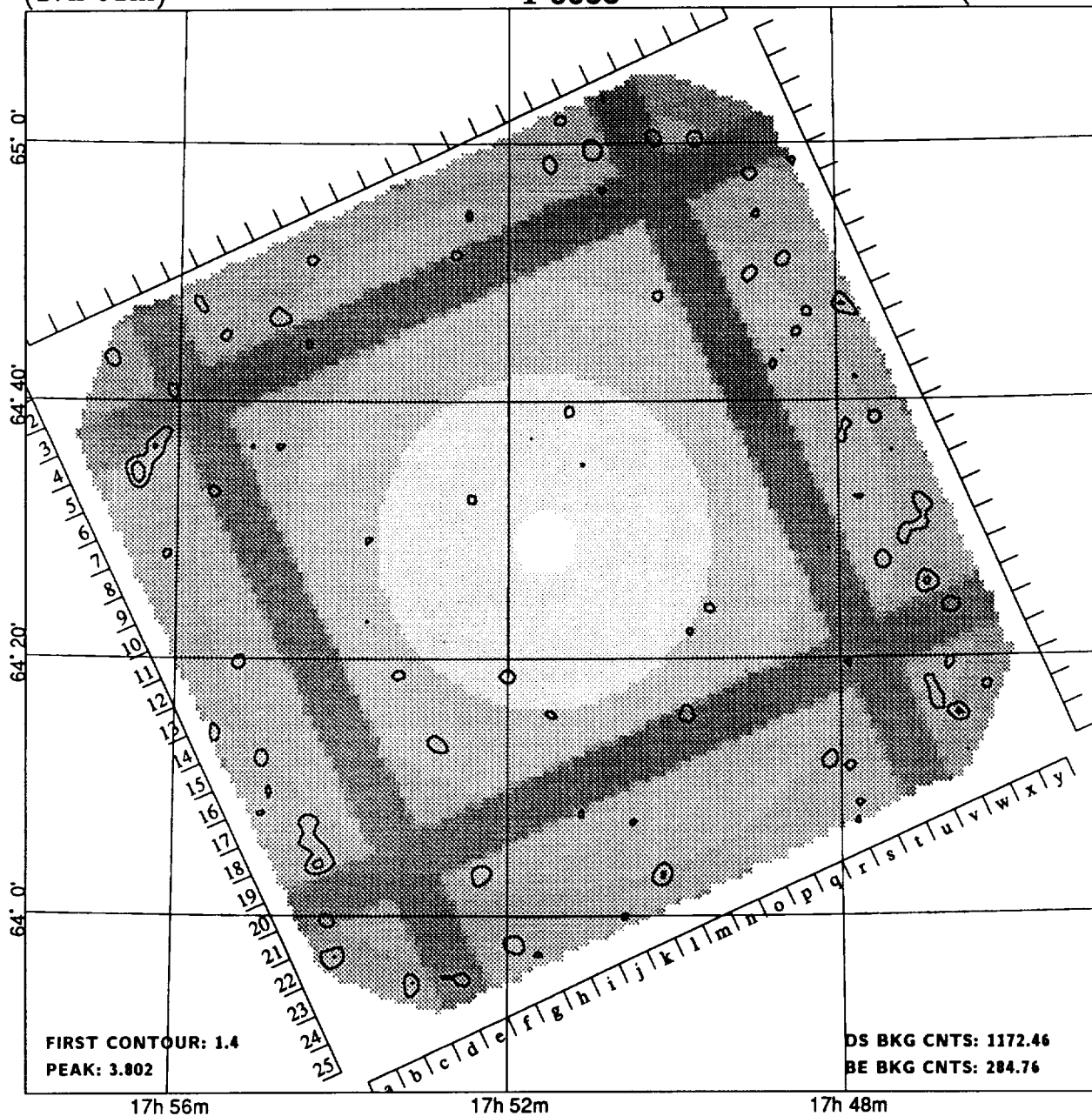
NH: $4.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3969	1	17 51 01.9	70 45 58	42	0.118	0.023	27.9	1.1	5.2	1.0	0	8.0	AH	S
3971	2	17 52 22.3	70 36 16	41	0.115	0.021	31.7	1.3	5.5	1.1	0	5.7	H	

(17h 51m)

I 8835

(17h 51m)



GSFC NEP SURVEY - FIELD # 102 -5 -5

FIELD CENTER: $17^{\text{h}}51^{\text{m}}19.3^{\text{s}}$ $64^{\circ}28'30''$ (B1950)
 $17^{\text{h}}51^{\text{m}}33.4^{\text{s}}$ $64^{\circ}27'53''$ (J2000)
 $l: 93.96$ $b: 30.70$

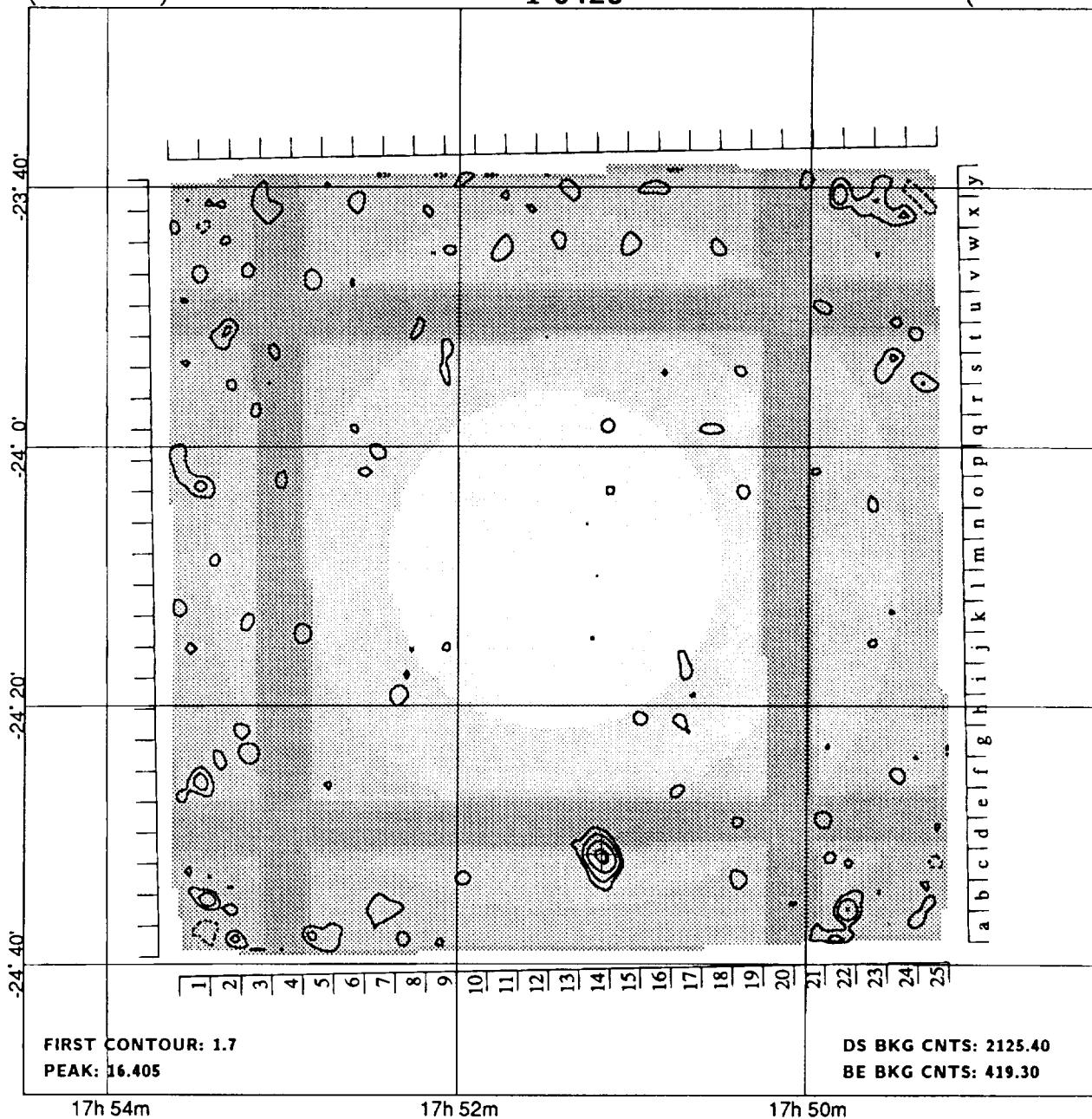
DATE: 1980/150 - 1980/150
LIVETIME: 950.1s
ROLL ANGLE: -24.7°

NH: $3.4\text{E}+20$
REF/ID:
FIELD FLAGS:

(17h 51m)

I 6428

(17h 51m)



UKS 1751-241, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $17^{\text{h}}51^{\text{m}}23.7^{\text{s}}$ $-24^{\circ}08'11''$ (B1950)
 $17^{\text{h}}54^{\text{m}}27.5^{\text{s}}$ $-24^{\circ}08'42''$ (J2000)
 $l: 5.13$ $b: 0.76$

DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 1784.1s
 ROLL ANGLE: -91.1°

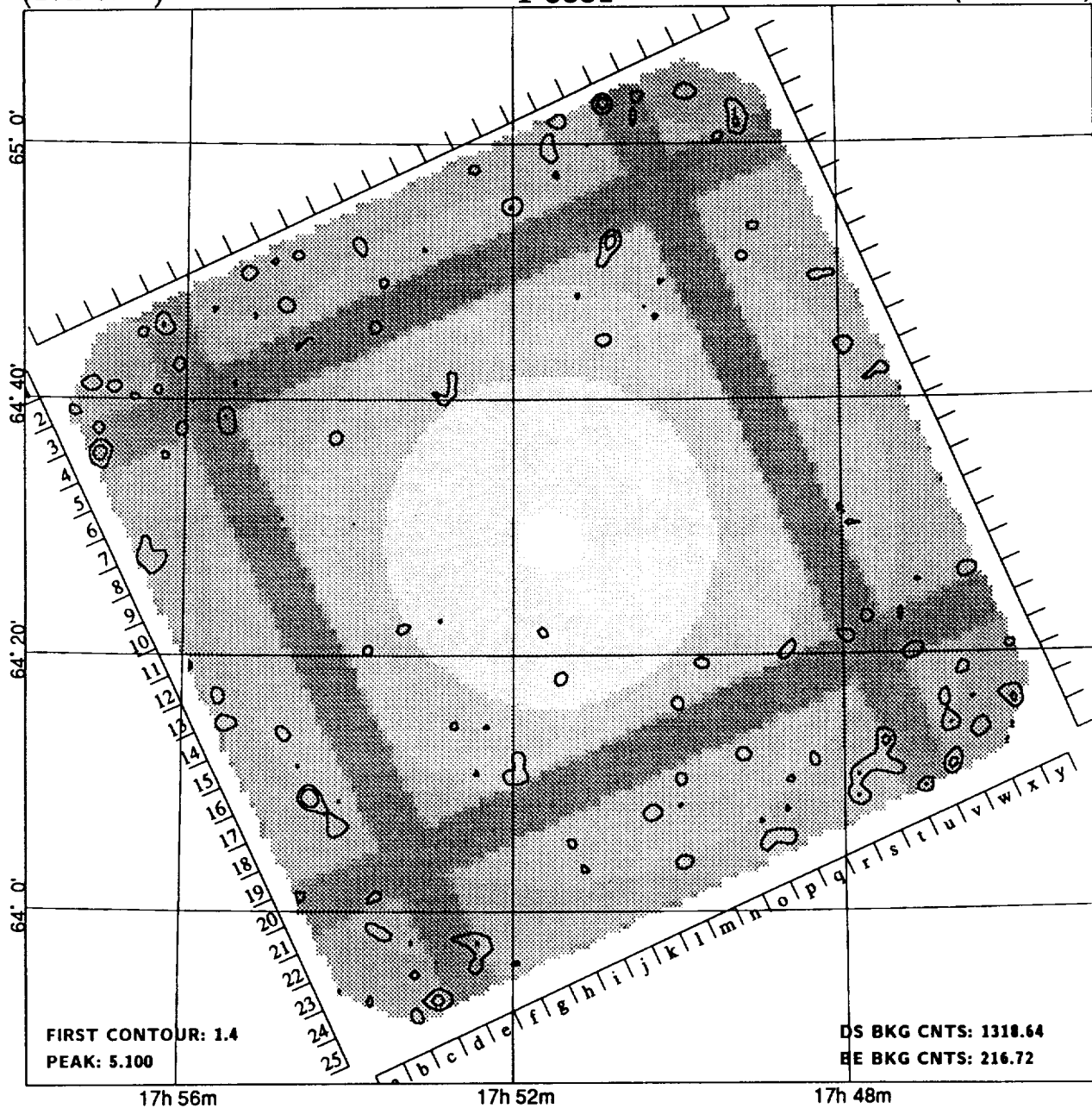
NH: $8.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3970	1	17 51 10.3	-24 31 32	50	*0.0452	0.0077	37.4	3.6	5.8	1.1	906	23.5	H

(17h 51m)

I 8831

(17h 51m)



FIELD CENTER: $17^h 51^m 25.6^s$ $64^\circ 28' 39''$ (B1950)
 $17^h 51^m 39.6^s$ $64^\circ 28' 02''$ (J2000)
 $l: 93.97$ $b: 30.69$

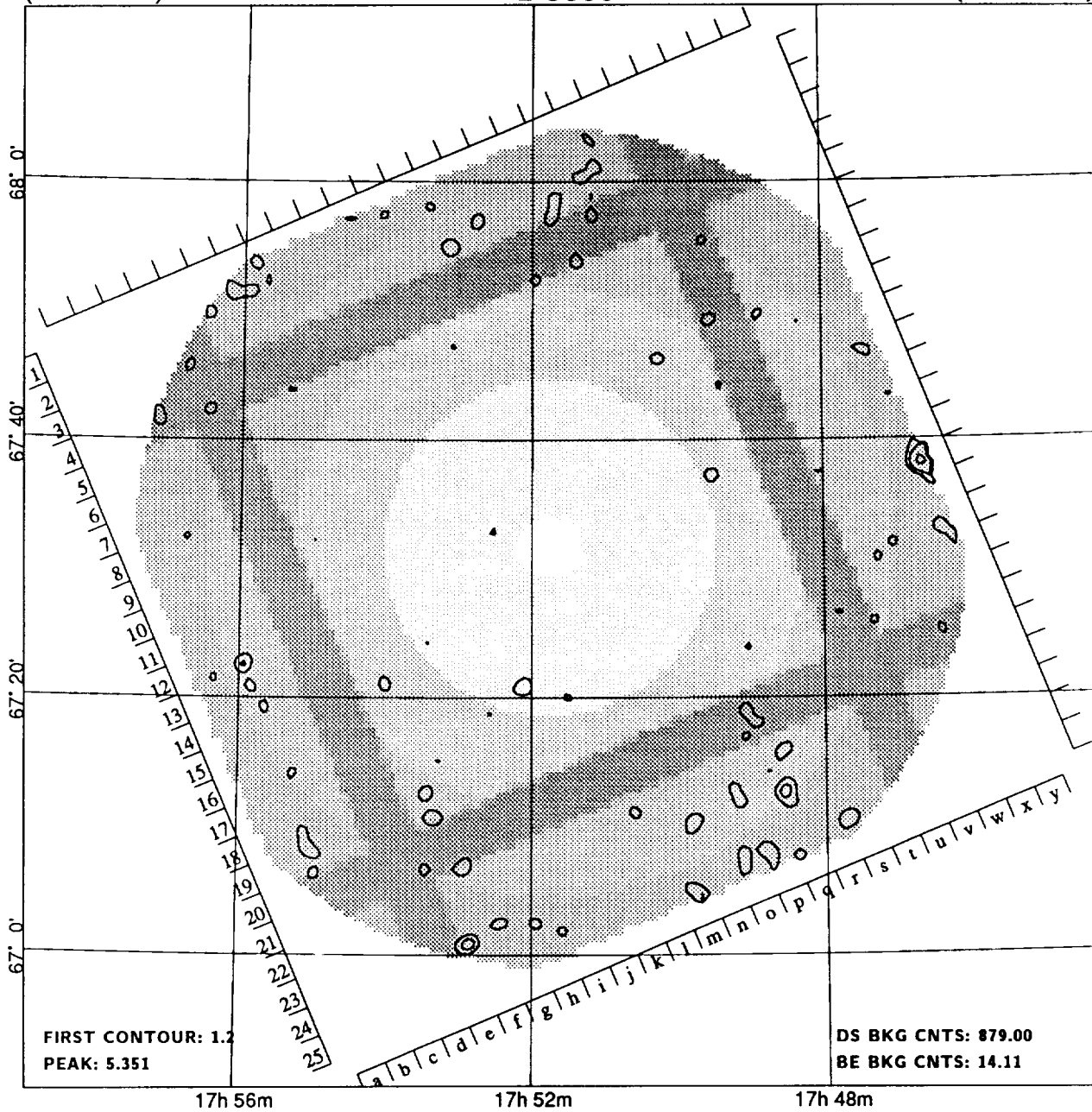
DATE: 1980/146 - 1980/146
 LIVETIME: 1068.5s
 ROLL ANGLE: -24.7°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

(17h 51m)

I 8666

(17h 51m)

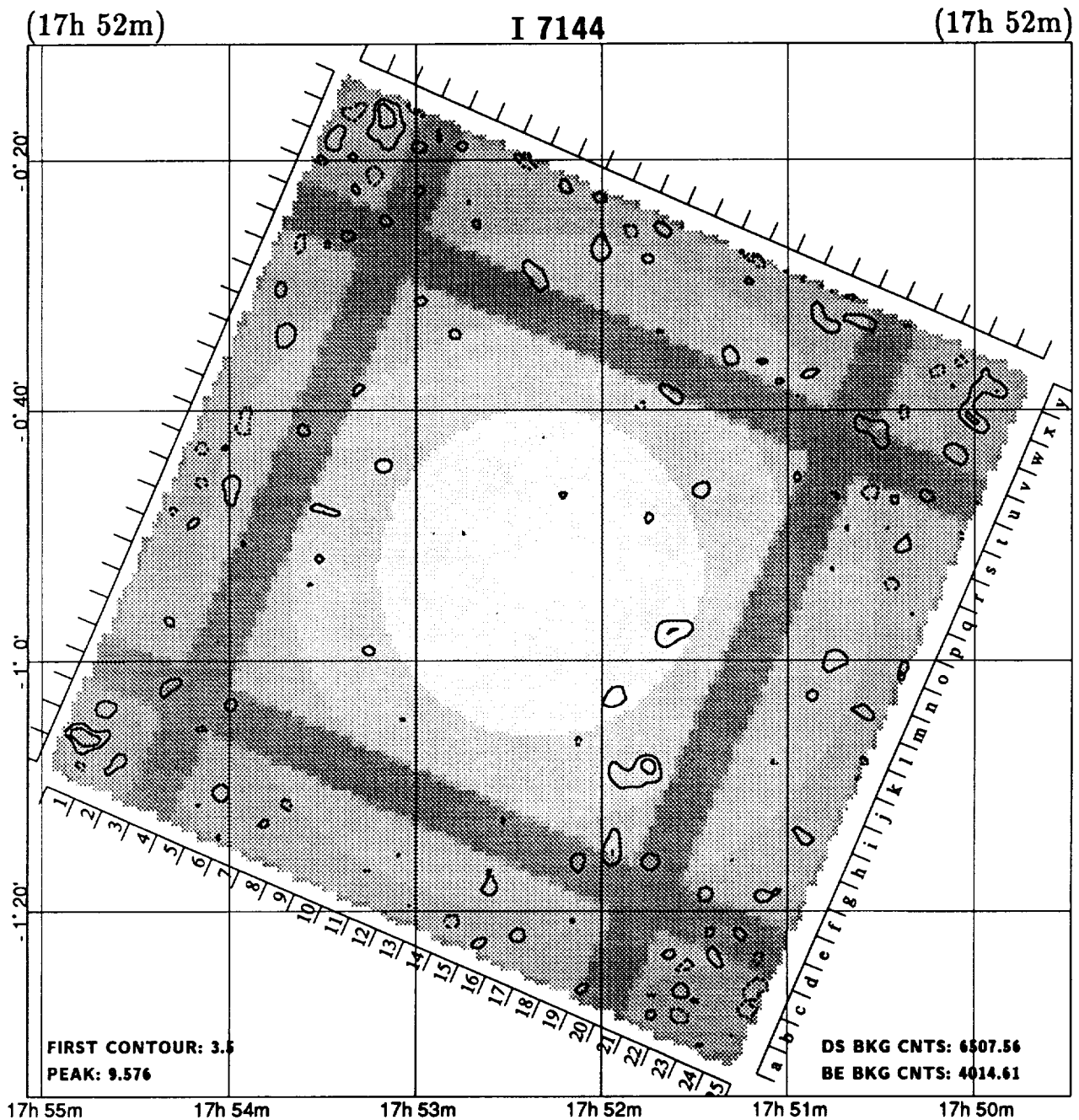


GSFC NEP SURVEY - FIELD # 172 2 -7

FIELD CENTER: $17^{\text{h}}51^{\text{m}}38.8^{\text{s}}$ $67^{\circ}31'48''$ (B1950)
 $17^{\text{h}}51^{\text{m}}31.2^{\text{s}}$ $67^{\circ}31'11''$ (J2000)
 ℓ : 97.51 b : 30.62

DATE: 1980/150 - 1980/150
 LIVETIME: 712.3s
 ROLL ANGLE: -22.8°

NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:



H1752-008, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $17^{\text{h}}52^{\text{m}}16.7^{\text{s}}$ $-00^{\circ}52'47''$ (B1950)
 $17^{\text{h}}54^{\text{m}}51.5^{\text{s}}$ $-00^{\circ}53'15''$ (J2000)
 $l: 25.57$ $b: 12.15$

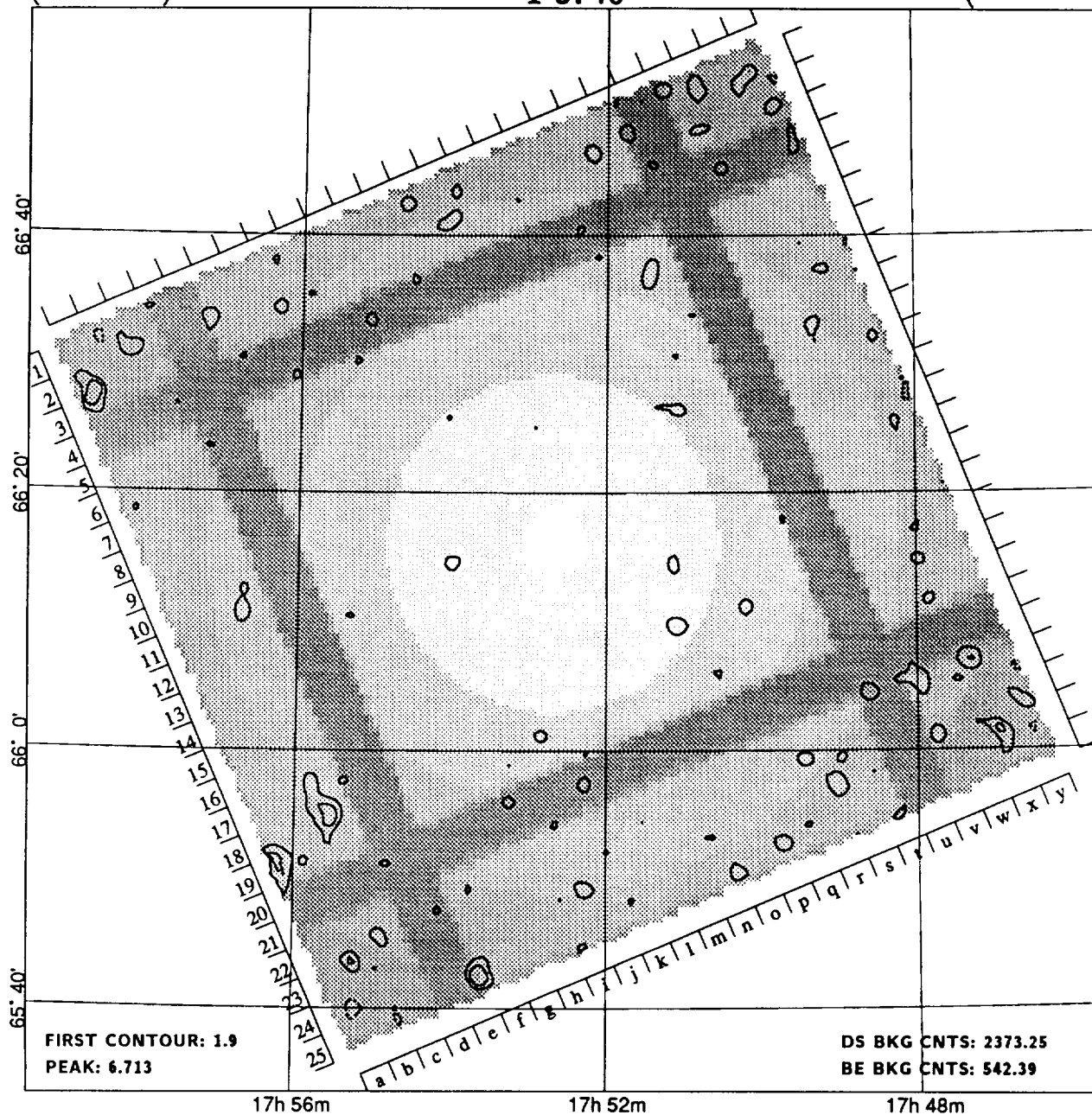
DATE: 1981/ 95 - 1981/ 95
 LIVETIME: 5273.2s
 ROLL ANGLE: -66.6°

NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 52m)

I 8740

(17h 52m)

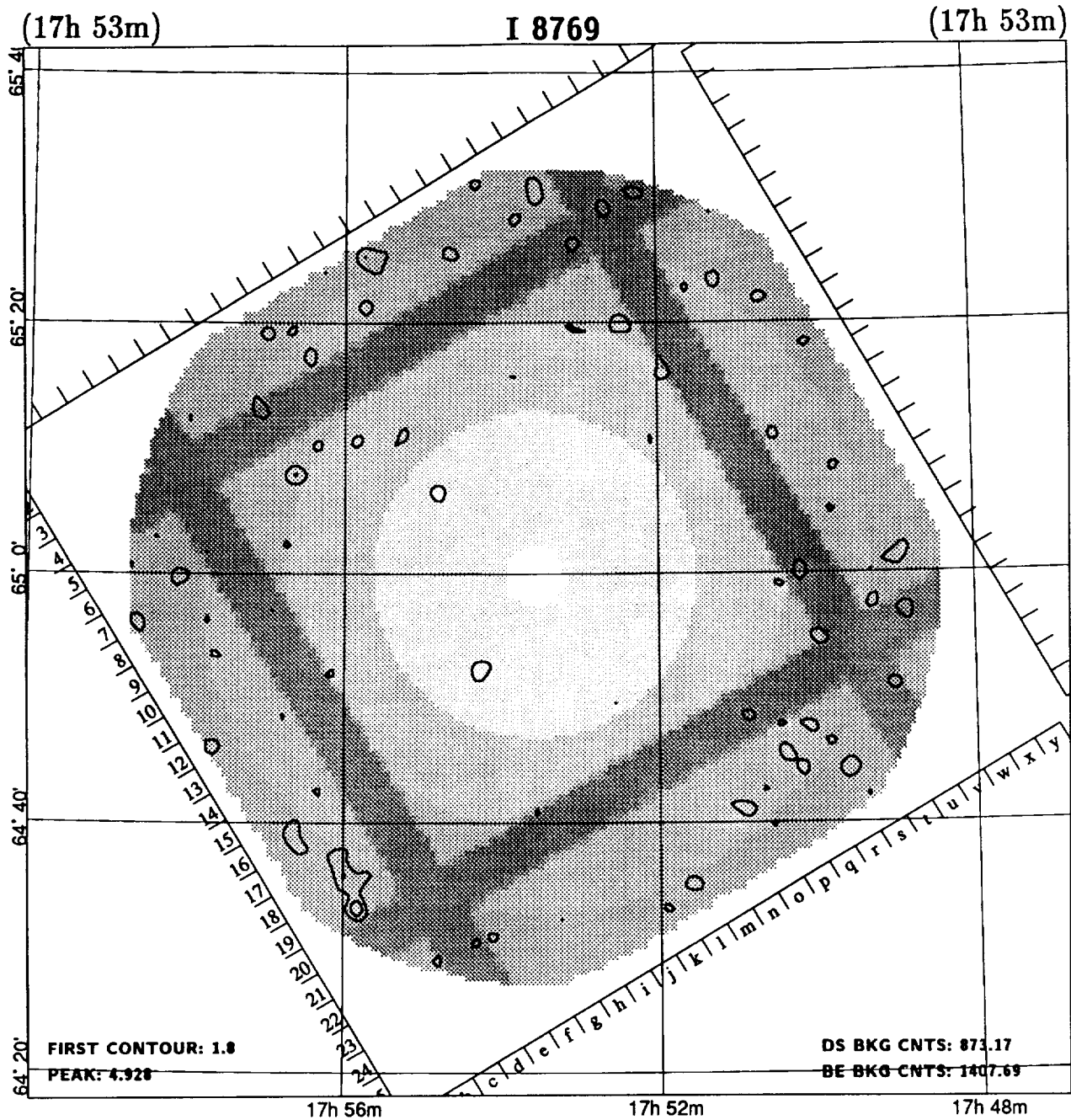


GSFC NEP SURVEY - FIELD # 7 0 -1

FIELD CENTER: $17^{\text{h}}52^{\text{m}}33.3^{\text{s}}$ $66^{\circ}15'34''$ (B1950)
 $17^{\text{h}}52^{\text{m}}35.3^{\text{s}}$ $66^{\circ}15'01''$ (J2000)
 $l: 96.04$ $b: 30.56$

DATE: 1980/148 - 1980/148
 LIVETIME: 1923.1s
 ROLL ANGLE: -23.0°

NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 36 -3 -1

FIELD CENTER: 17^h53^m24.4^s 65°00'12" (B1950)
17^h53^m35.0^s 64°59'44" (J2000)
 ℓ : 94.58 b : 30.48

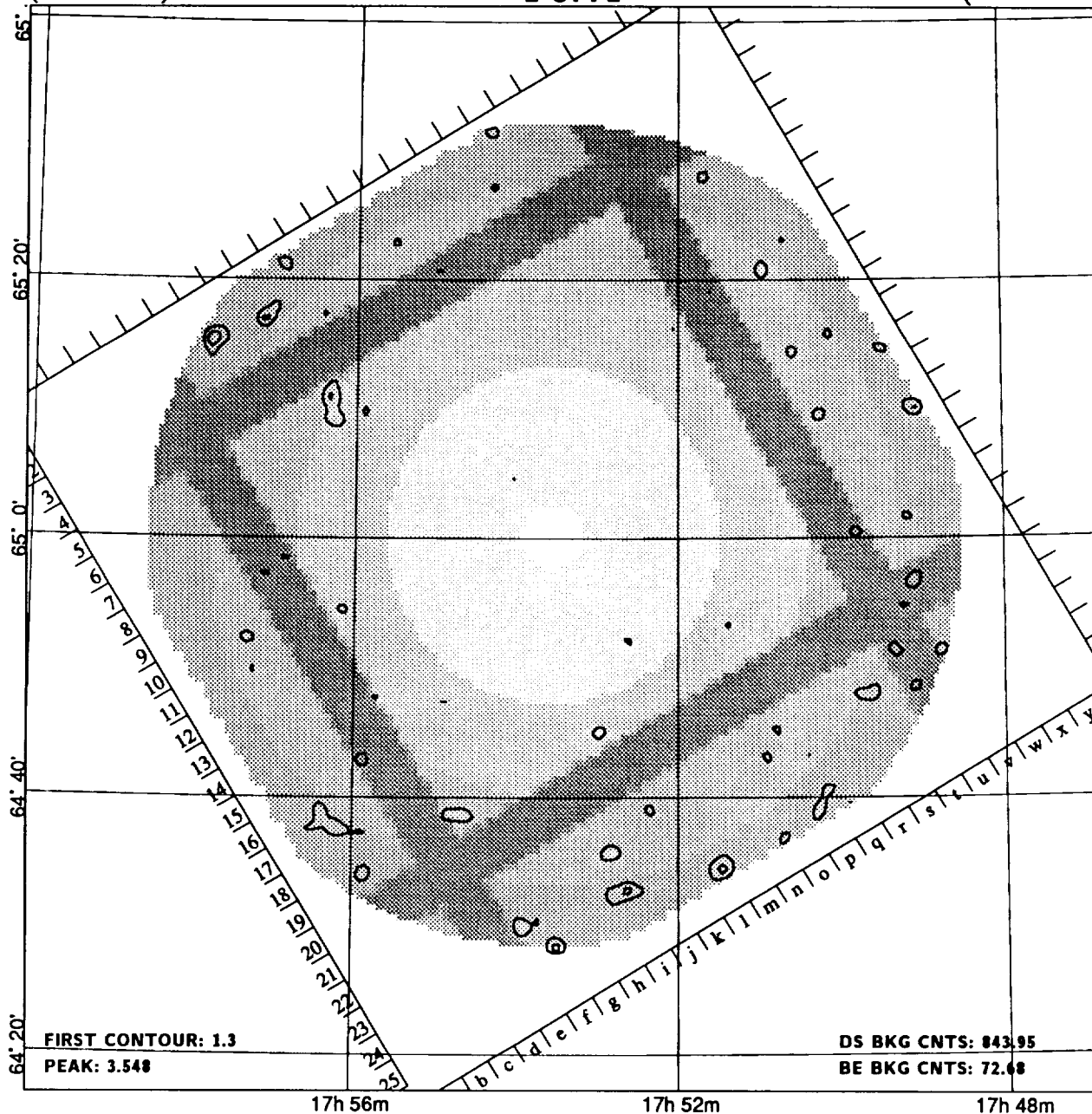
DATE: 1980/146 - 1980/146
LIVETIME: 707.6s
ROLL ANGLE: -30.8°

NH: 3.6E+20
REF/ID:
FIELD FLAGS: L

(17h 53m)

I 8771

(17h 53m)

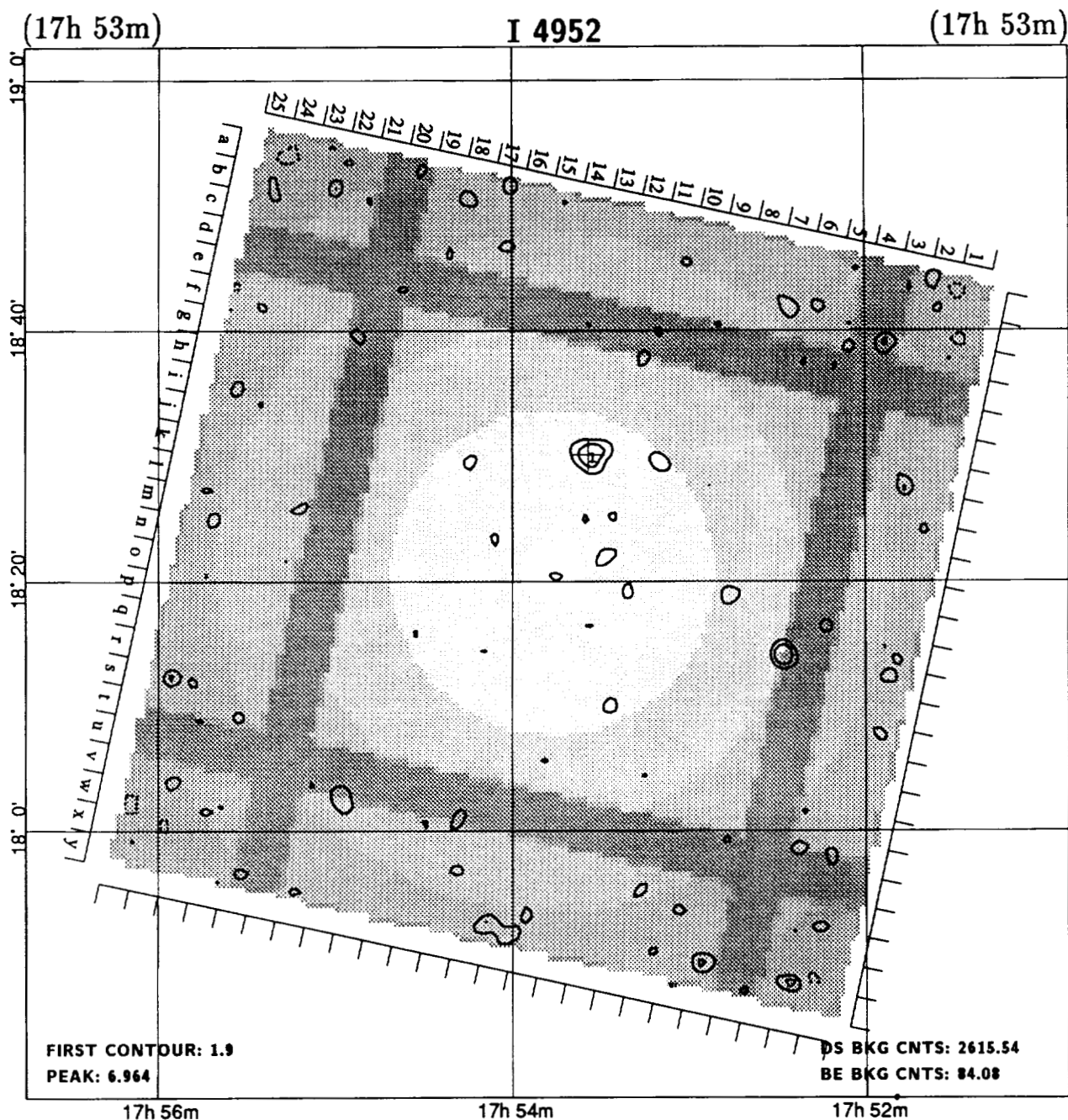


GSFC NEP SURVEY - FIELD # 38 -3 -3

FIELD CENTER: $17^h 53^m 26.3^s$ $64^\circ 59' 14''$ (B1950)
 $17^h 53^m 37.0^s$ $64^\circ 58' 46''$ (J2000)
 $l: 94.56$ $b: 30.47$

DATE: 1980/150 - 1980/150
LIVETIME: 683.9s
ROLL ANGLE: -31.2°

NH: $3.6E+20$
REF/ID:
FIELD FLAGS:



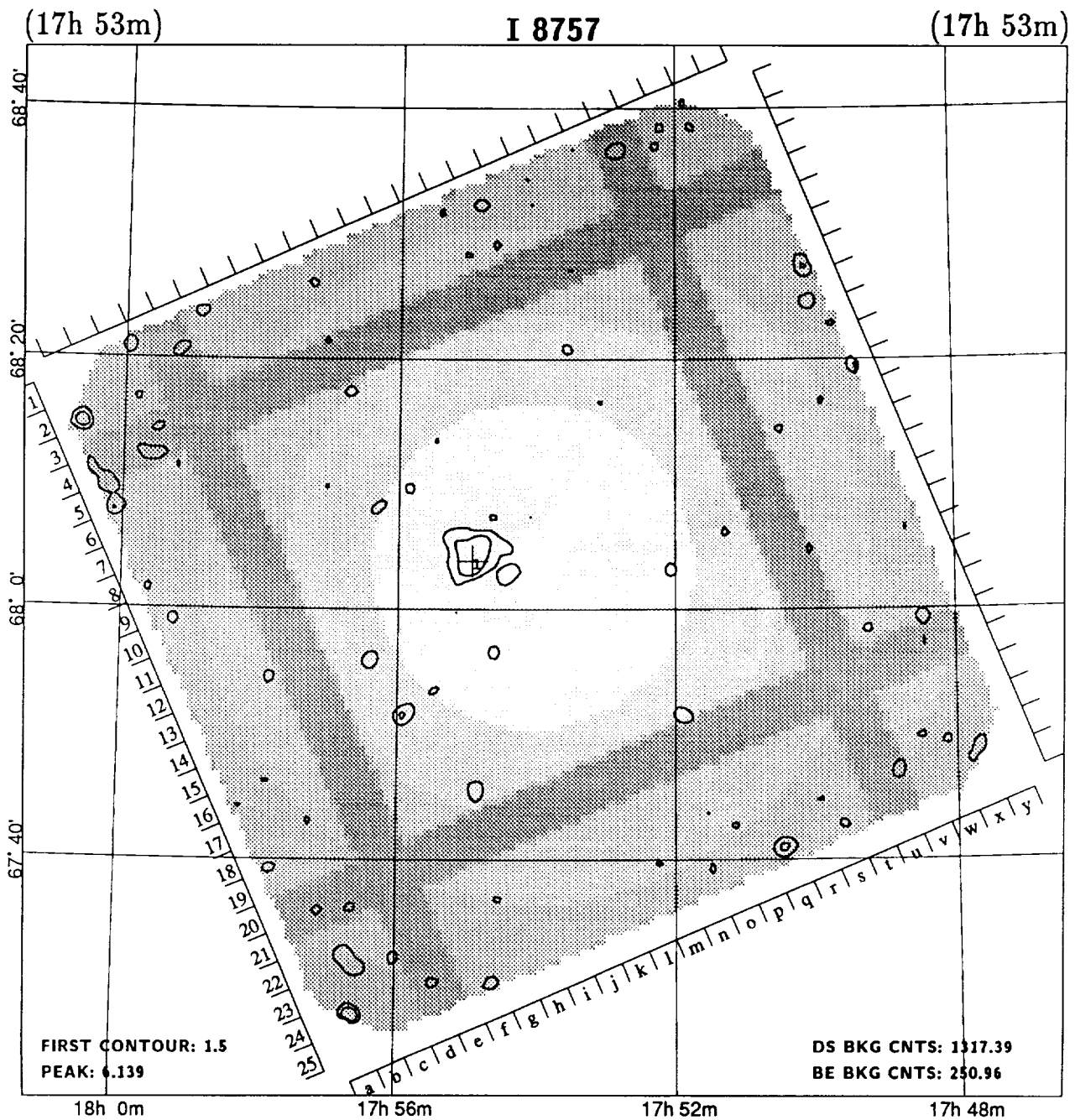
N6500, INTERACTING GALAXIES WITH COMPACT RADIO NUCLEI

FIELD CENTER: $17^h 53^m 47.9^s$ $18^\circ 20' 39''$ (B1950)
 $17^h 55^m 59.5^s$ $18^\circ 20' 17''$ (J2000)
 $l: 43.76$ $b: 20.23$

DATE: 1979/284 - 1979/284
 LIVETIME: 2119.4s
 ROLL ANGLE: 102.3°

NH: $7.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3973	1	17 53 34.1	18 30 07	43	0.0161	0.0037	22.7	5.3	4.3	0.9	0	10.3	H	S



GSFC NEP SURVEY - FIELD # 24 2 0

FIELD CENTER: 17^h53^m54.6^s 68°03'10" (B1950)
17^h53^m42.7^s 68°02'43" (J2000)
ℓ: 98.11 b: 30.39

DATE: 1980/150 - 1980/150
LIVETIME: 1067.5s
ROLL ANGLE: -23.3°

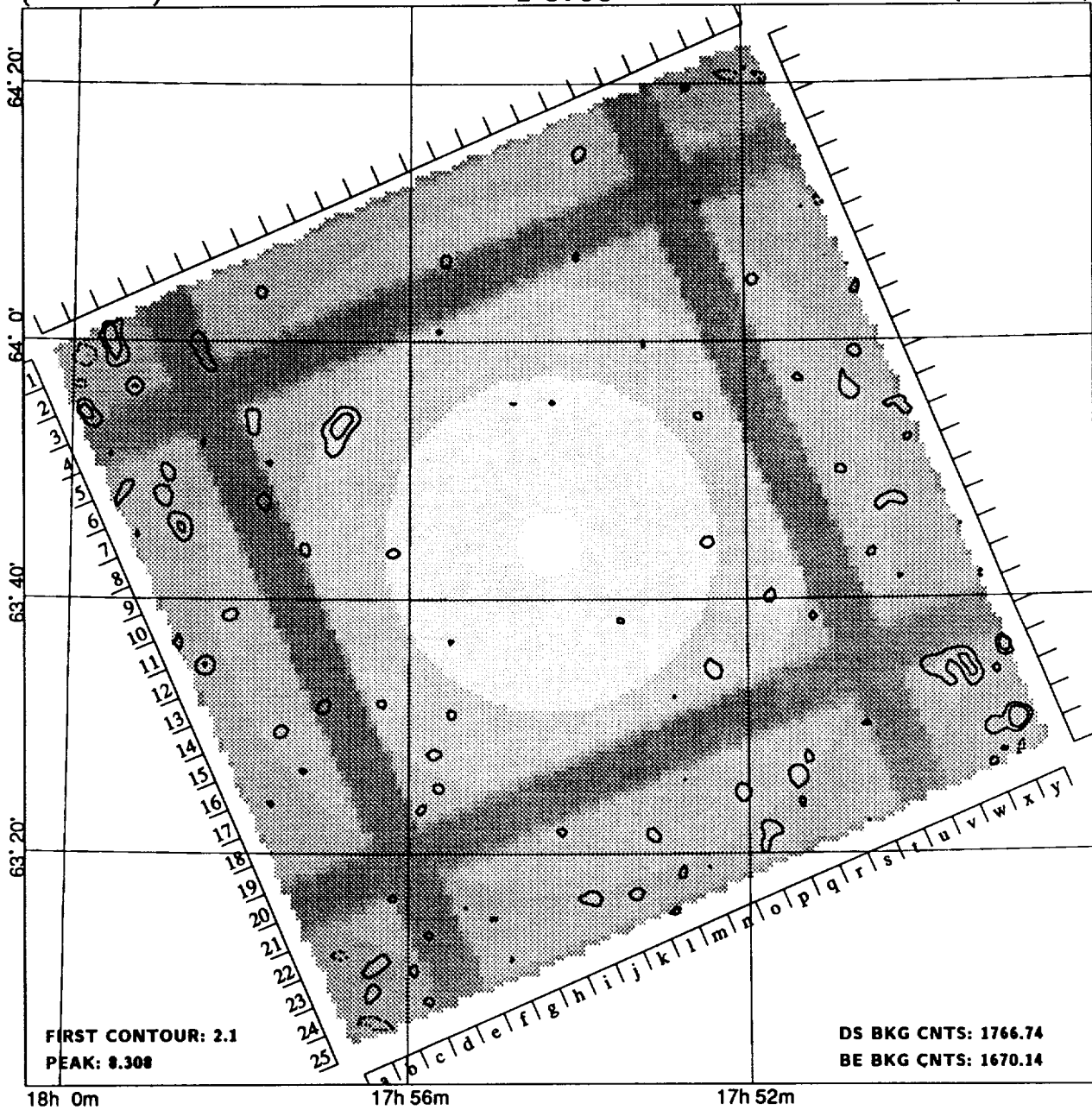
NH: 4.6E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3978	1	17 54 55.7	68 03 48	42	0.0291	0.0067	22.2	3.8	4.4	1.6	0	6.1	H	

(17h 54m)

I 8795

(17h 54m)



GSFC NEP SURVEY - FIELD # 62 -4 0

FIELD CENTER: $17^h 54^m 13.4^s$ $63^\circ 44' 06''$ (B1950)
 $17^h 54^m 31.8^s$ $63^\circ 43' 41''$ (J2000)
 $l: 93.11$ $b: 30.38$

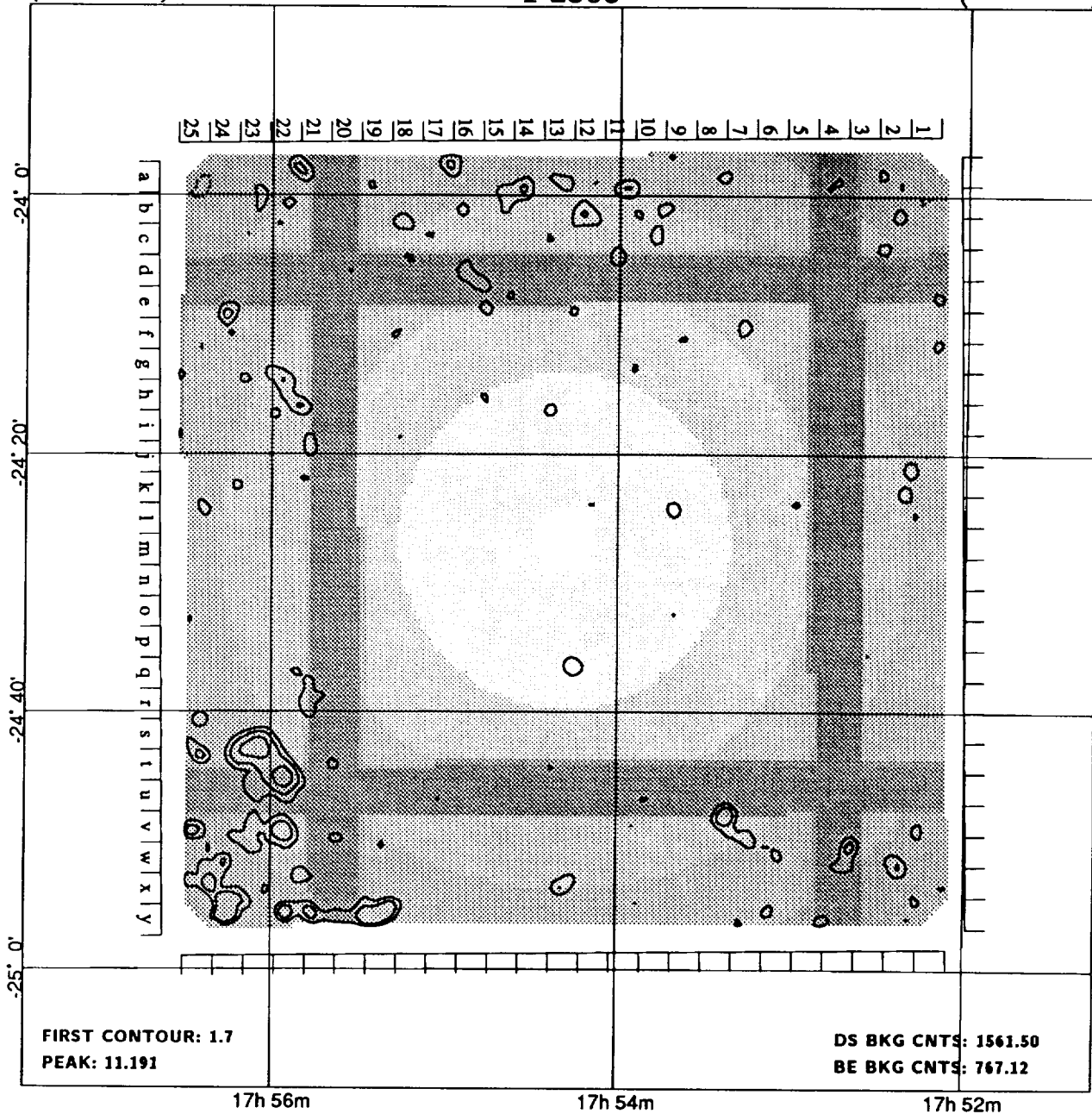
DATE: 1980/146 - 1980/146
LIVETIME: 1431.6s
ROLL ANGLE: -23.4°

NH: $3.2E+20$
REF/ID:
FIELD FLAGS: L

(17h 54m)

I 2508

(17h 54m)

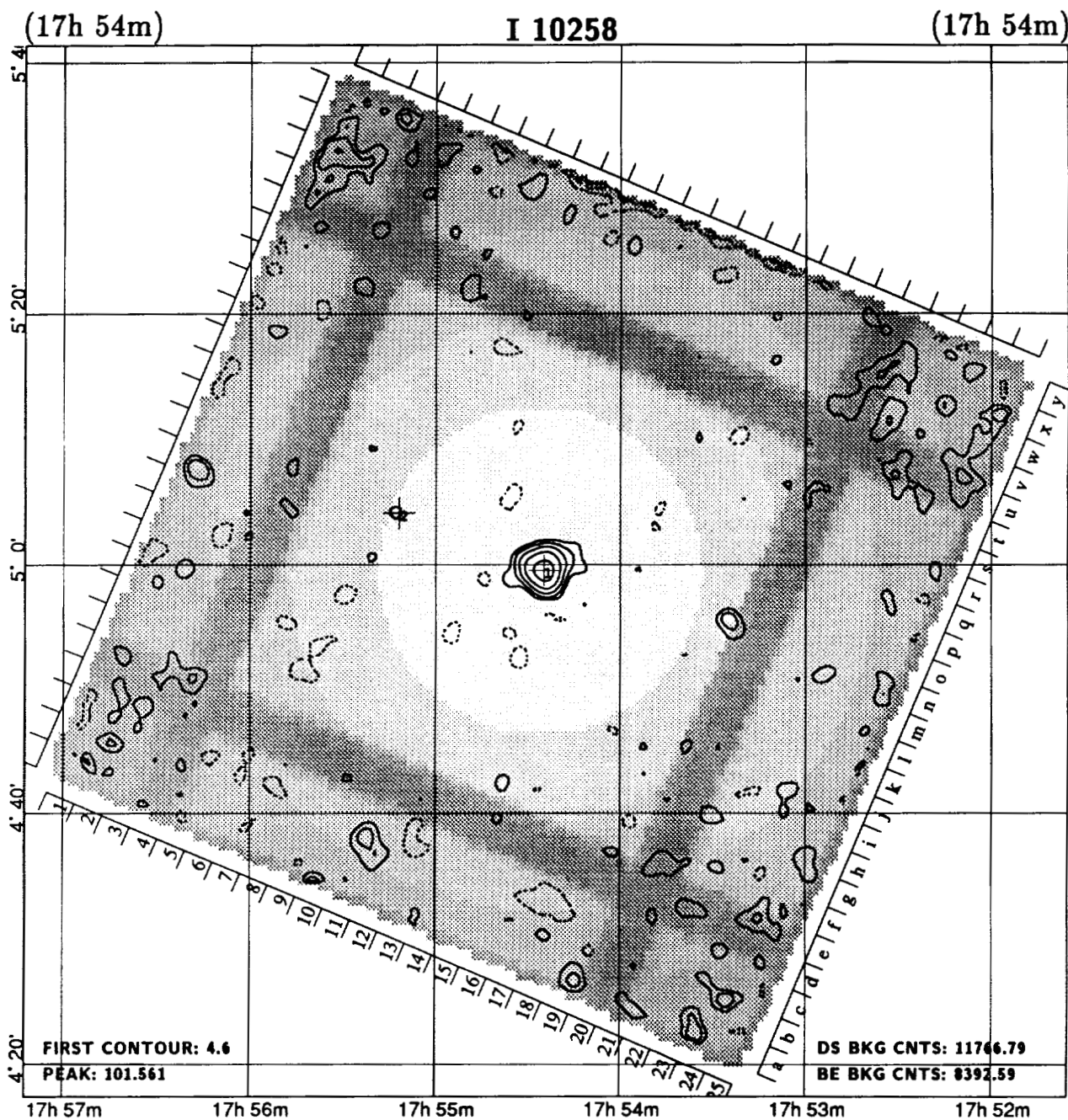


GALACTIC CENTER SURVEY

FIELD CENTER: $17^{\text{h}}54^{\text{m}}20.2^{\text{s}}$ $-24^{\circ}27'19''$ (B1950)
 $17^{\text{h}}57^{\text{m}}24.4^{\text{s}}$ $-24^{\circ}27'37''$ (J2000)
 $l: 5.19$ $b: 0.02$

DATE: 1979/264 - 1979/264
 LIVETIME: 1265.3s
 ROLL ANGLE: 89.4°

NH: $9.9\text{E}+21$
 REF/ID:
 FIELD FLAGS: L



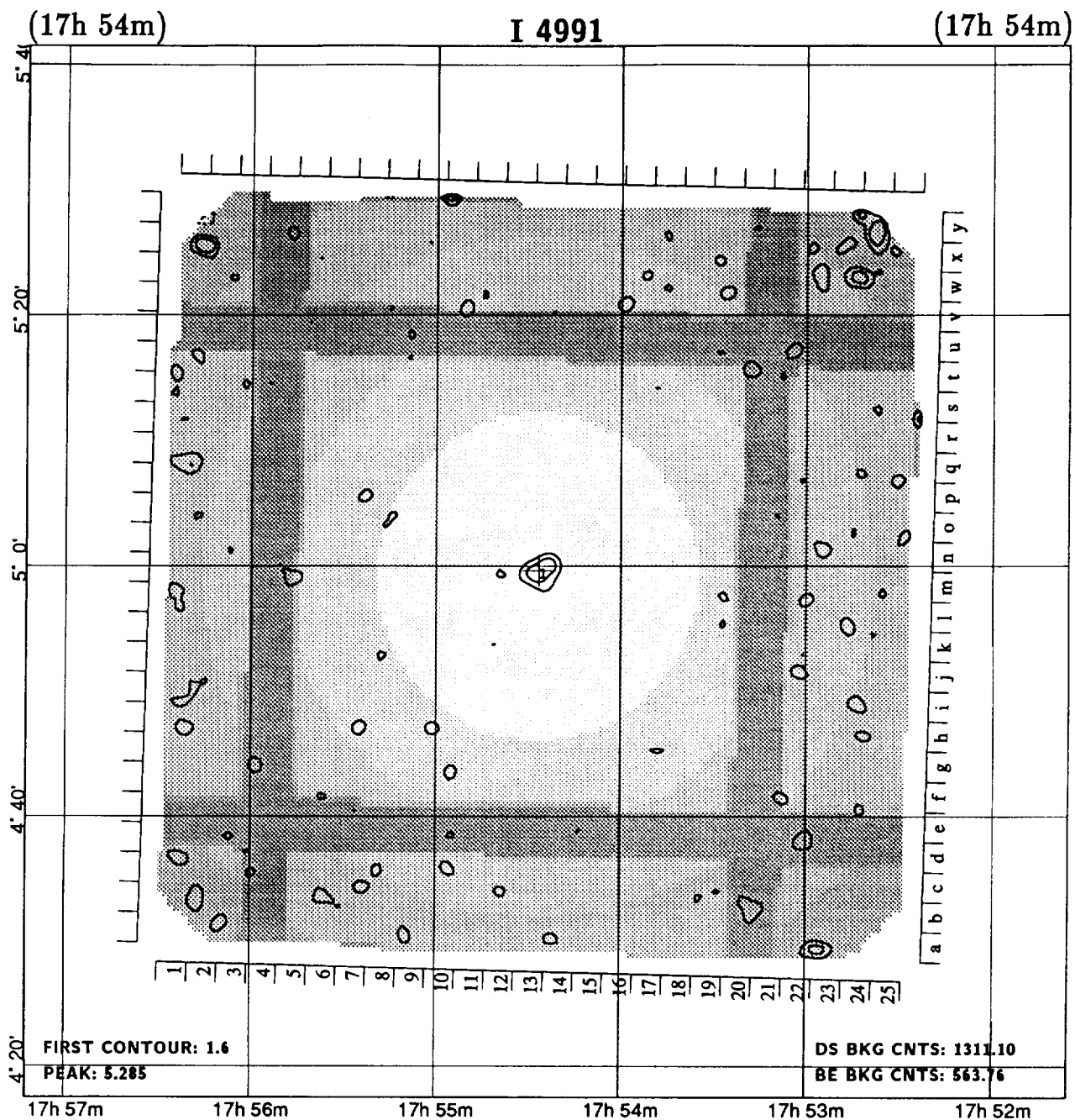
V566 OPH, STUDY OF VARIATIONS OF W UMA STARS

FIELD CENTER: $17^{\text{h}}54^{\text{m}}23.7^{\text{s}}$ $04^{\circ}59'23''$ (B1950)
 $17^{\text{h}}56^{\text{m}}51.7^{\text{s}}$ $04^{\circ}59'04''$ (J2000)
 ℓ : 31.17 b : 14.40

DATE: 1981/ 97 - 1981/ 97
 LIVETIME: 9535.0s
 ROLL ANGLE: -67.1°

NH: $9.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3974	1L	17 54 24.8	04 59 31	31	0.0563	0.0037	400.7	106.3	15.2	1.2	0	0.3	A	S
3980	2L	17 55 11.9	05 04 03	48	0.0066	0.0016	40.1	22.9	4.1	0.3	0	12.9		



FIELD CENTER: 17^h54^m24.2^s 04°59'30" (B1950)
17^h56^m52.2^s 04°59'11" (J2000)
ℓ: 31.17 b: 14.40

DATE: 1980/ 83 - 1980/ 83
LIVETIME: 1100.6s
ROLL ANGLE: -88.5°

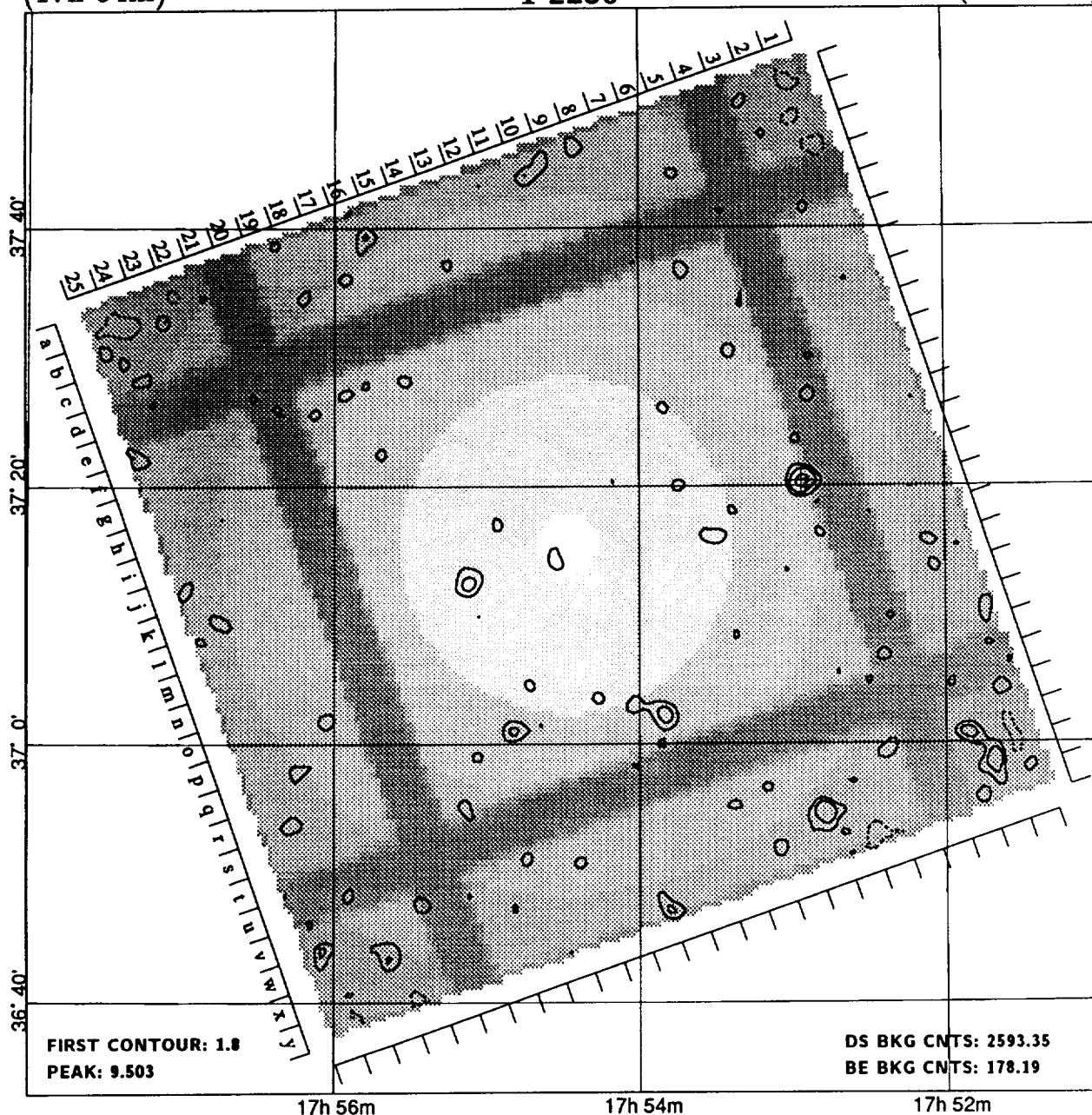
NH: 9.9E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3974	1	17 54 26.7	04 59 38	37	0.0260	0.0062	21.3	4.7	4.2	0.9	0	0.6	AH	S

(17h 54m)

I 2250

(17h 54m)



STELLAR SURVEY-LATE TYPE STARS: HD163770=THETA HER

FIELD CENTER: $17^{\text{h}}54^{\text{m}}29.8^{\text{s}}$ $37^{\circ}14'59''$ (B1950)
 $17^{\text{h}}56^{\text{m}}12.8^{\text{s}}$ $37^{\circ}14'39''$ (J2000)
 $l: 63.25$ $b: 26.43$

DATE: 1979/239 - 1979/239
 LIVETIME: 2101.5s
 ROLL ANGLE: 70.9°

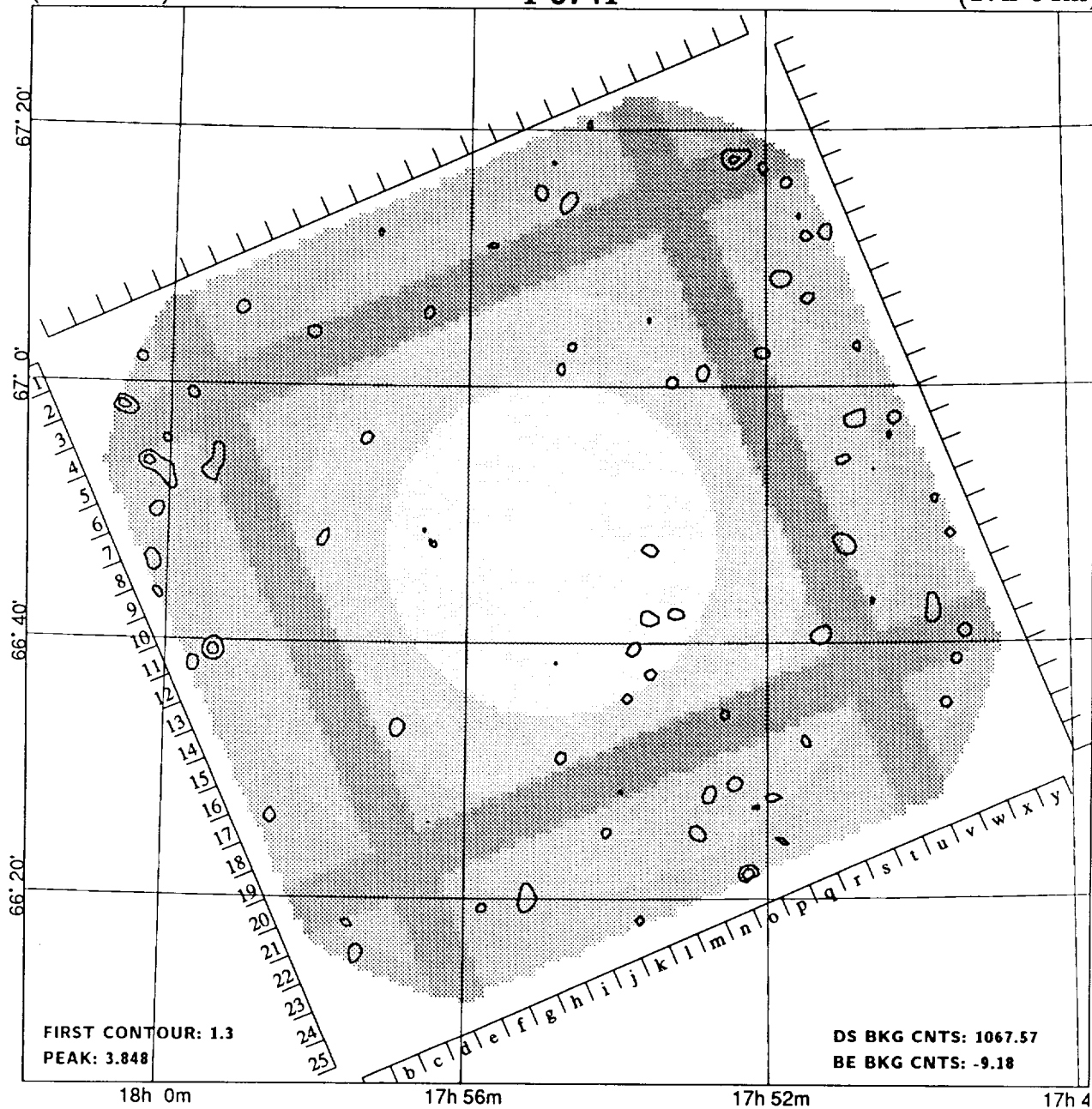
NH: $3.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3972	1	17 52 56.1	37 20 23	51	*0.0170	0.0043	18.9	4.1	3.9	0.7	703	19.3	H	

(17h 54m)

I 8741

(17h 54m)



GSFC NEP SURVEY - FIELD # 1 -1

FIELD CENTER: $17^h 54^m 46.5^s$ $66^\circ 47' 29''$ (B1950)
 $17^h 54^m 44.5^s$ $66^\circ 47' 06''$ (J2000)
 $l: 96.65$ $b: 30.33$

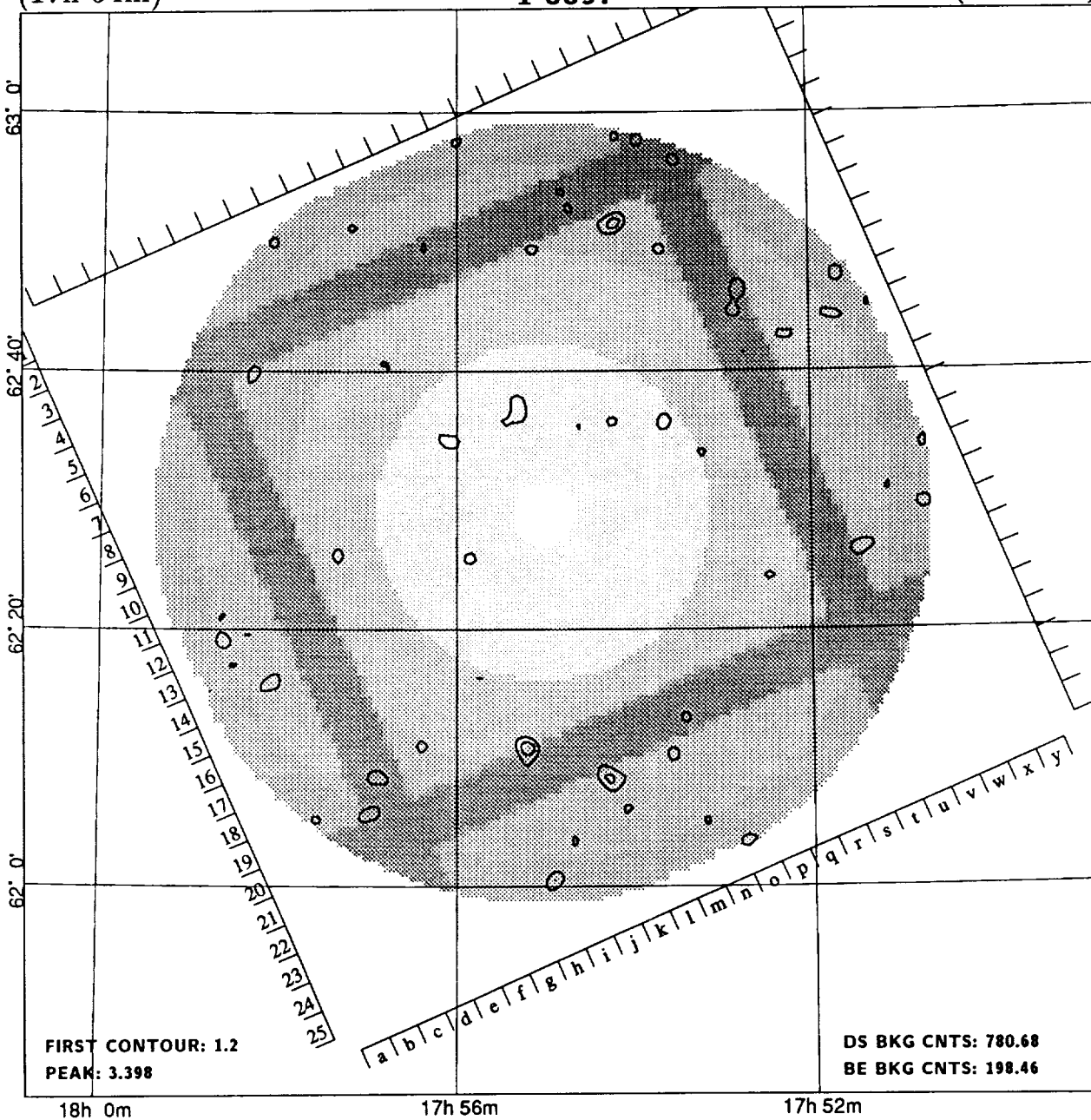
DATE: 1980/148 - 1980/148
 LIVETIME: 865.1s
 ROLL ANGLE: -23.5°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(17h 54m)

I 8897

(17h 54m)



GSFC NEP SURVEY - FIELD # 164 -7 1

FIELD CENTER: $17^{\text{h}}54^{\text{m}}49.4^{\text{s}}$ $62^{\circ}26'00''$ (B1950)
 $17^{\text{h}}55^{\text{m}}15.2^{\text{s}}$ $62^{\circ}25'39''$ (J2000)
 $l: 91.60$ $b: 30.28$

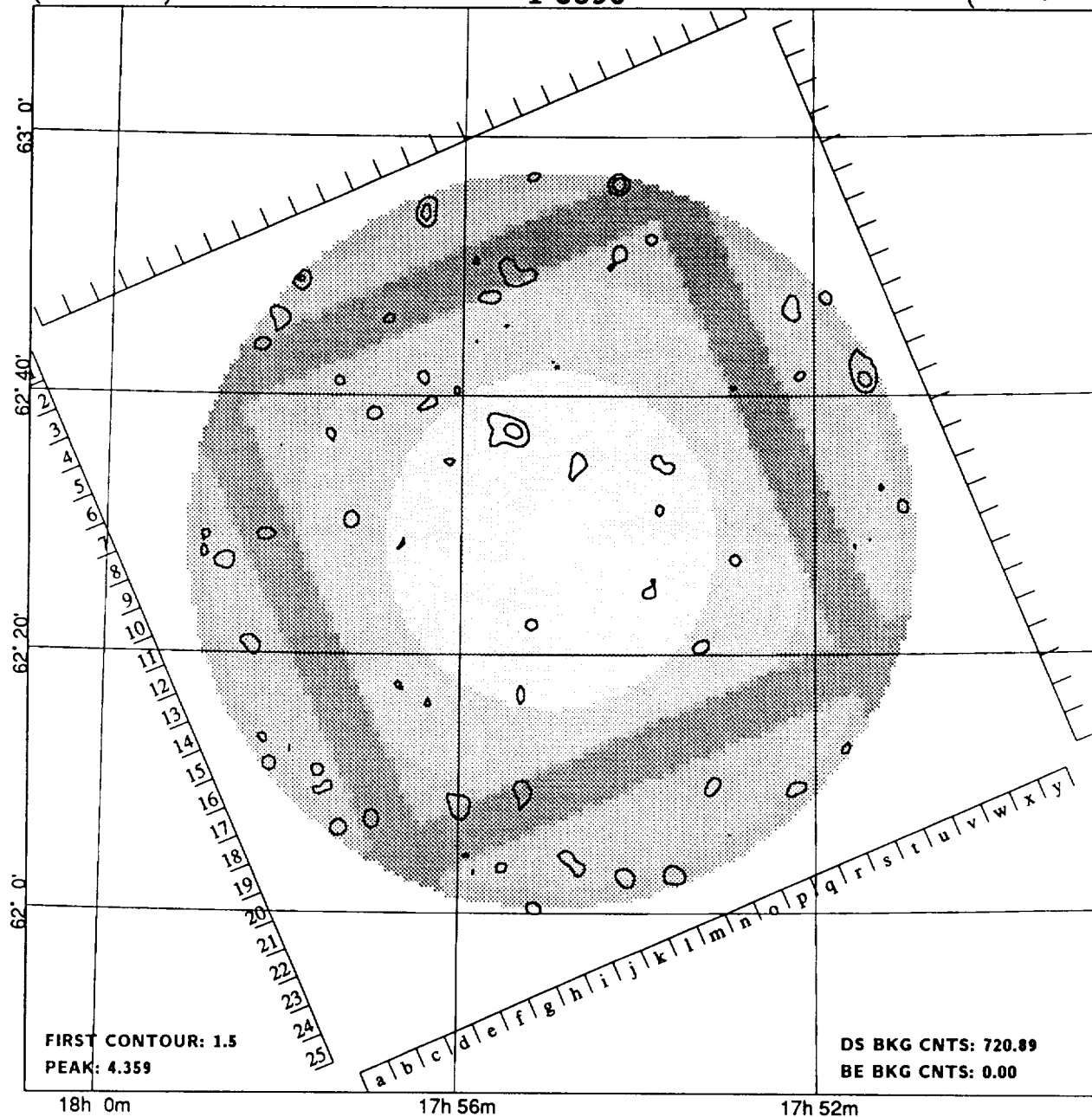
DATE: 1980/150 - 1980/150
LIVETIME: 632.6s
ROLL ANGLE: -23.6°

NH: $3.4\text{E}+20$
REF/ID:
FIELD FLAGS:

(17h 54m)

I 8896

(17h 54m)



FIRST CONTOUR: 1.5
PEAK: 4.359

DS BKG CNTS: 720.89
BE BKG CNTS: 0.00

GSFC NEP SURVEY - FIELD # 163 -7 2

FIELD CENTER: 17^h 54^m 49.6^s 62° 28' 00" (B1950)
17^h 55^m 15.3^s 62° 27' 38" (J2000)
ℓ: 91.64 b: 30.28

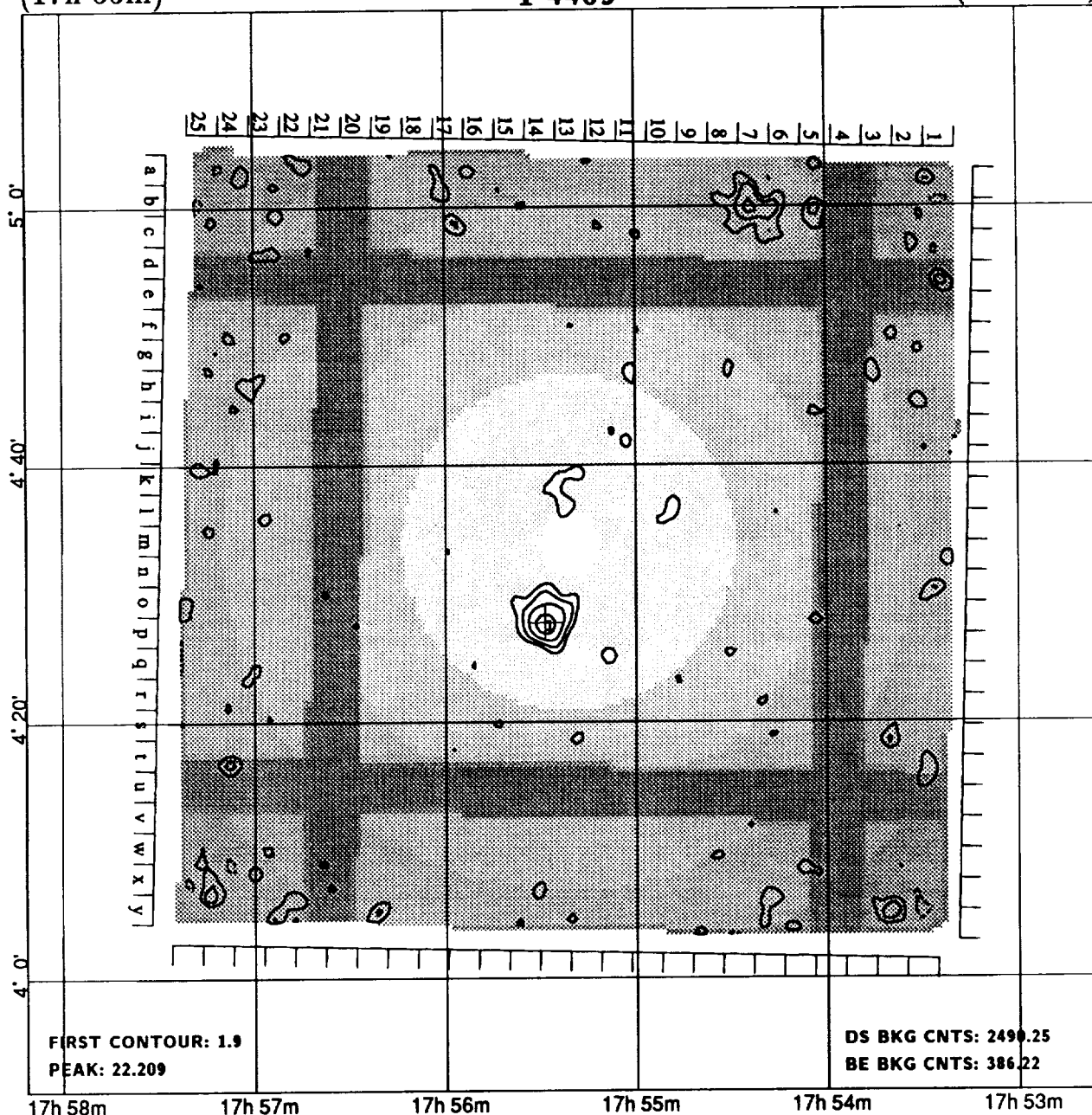
DATE: 1980/147 - 1980/147
LIVETIME: 584.2s
ROLL ANGLE: -23.6°

NH: 3.4E+20
REF/ID:
FIELD FLAGS: L

(17h 55m)

I 4409

(17h 55m)



STELLAR SURVEY: BARNARD'S STAR

FIELD CENTER: $17^{\text{h}}55^{\text{m}}22.8^{\text{s}}$ $04^{\circ}33'19''$ (B1950)
 $17^{\text{h}}57^{\text{m}}51.3^{\text{s}}$ $04^{\circ}33'05''$ (J2000)
 $l: 30.88$ $b: 13.99$

DATE: 1979/269 - 1979/269
 LIVETIME: 2017.9s
 ROLL ANGLE: 91.3°

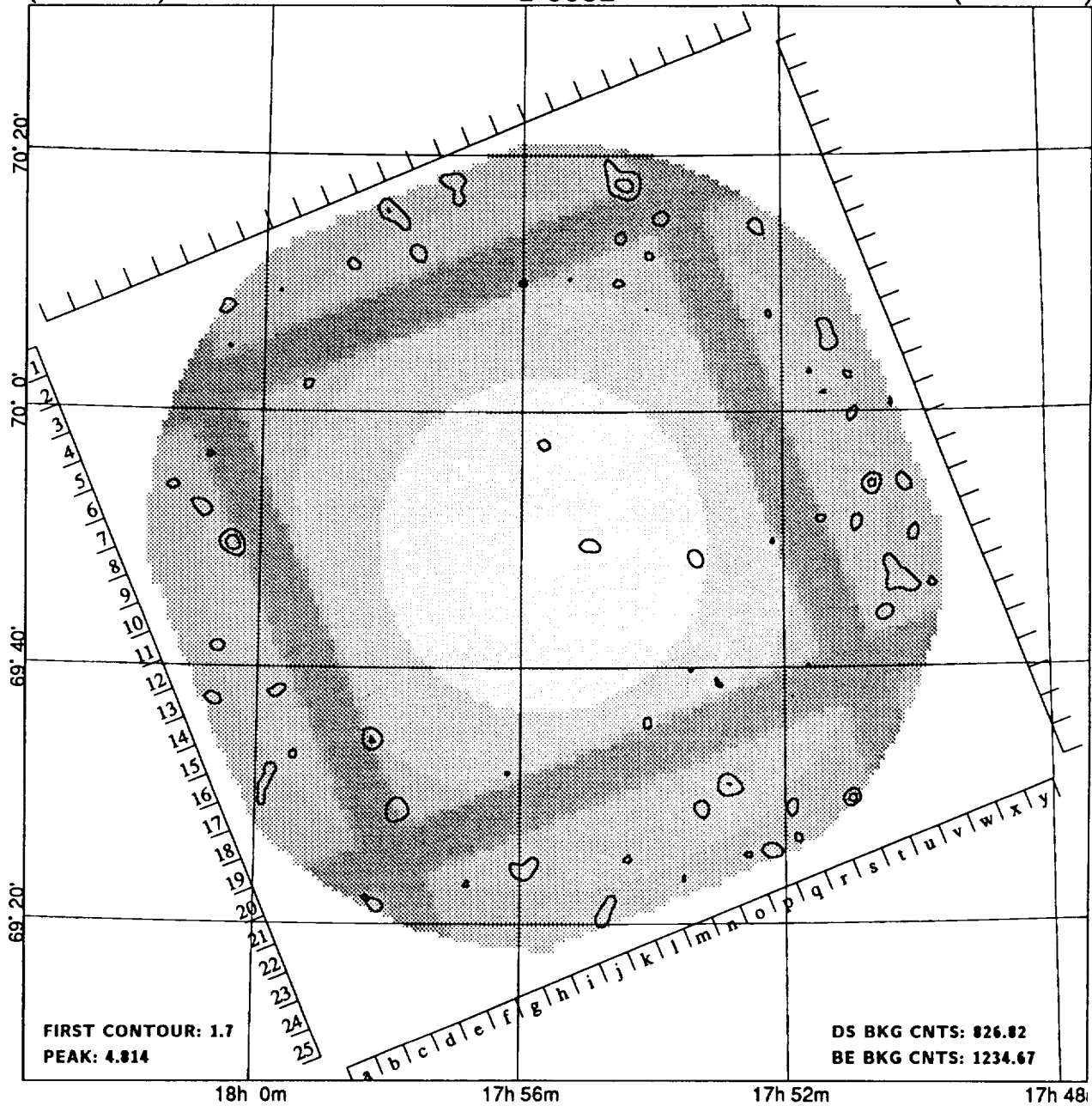
NH: $1.0\text{E}+21$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3981	1	17 55 28.7	04 27 43	38	0.0628	0.0069	88.9	7.1	9.1	1.3	0	5.7	H	S

(17h 55m)

I 8882

(17h 55m)

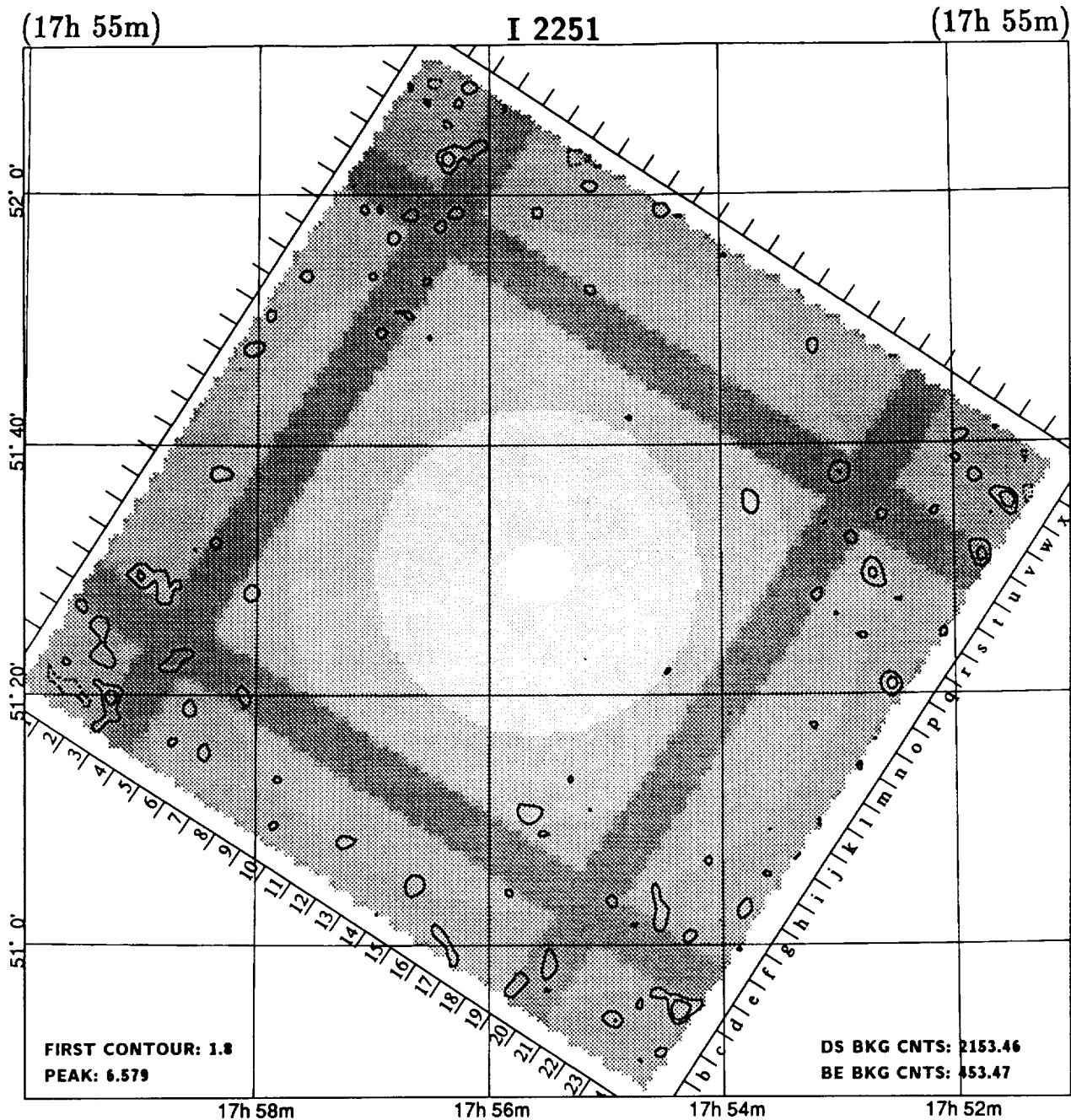


GSFC NEP SURVEY - FIELD # 149 6 -4

FIELD CENTER: $17^{\text{h}}55^{\text{m}}27.8^{\text{s}}$ $69^{\circ}49'45''$ (B1950)
 $17^{\text{h}}54^{\text{m}}59.8^{\text{s}}$ $69^{\circ}49'24''$ (J2000)
 $l: 100.16$ $b: 30.19$

DATE: 1980/146 - 1980/146
 LIVETIME: 670.0s
 ROLL ANGLE: -22.3°

NH: $4.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: L



STELLAR SURVEY-LATE TYPE STARS: HD164058=GAMMA DRA

FIELD CENTER: $17^{\text{h}}55^{\text{m}}29.8^{\text{s}}$ $51^{\circ}29'59''$ (B1950)
 $17^{\text{h}}56^{\text{m}}39.6^{\text{s}}$ $51^{\circ}29'42''$ (J2000)
 ℓ : 79.06 b : 29.21

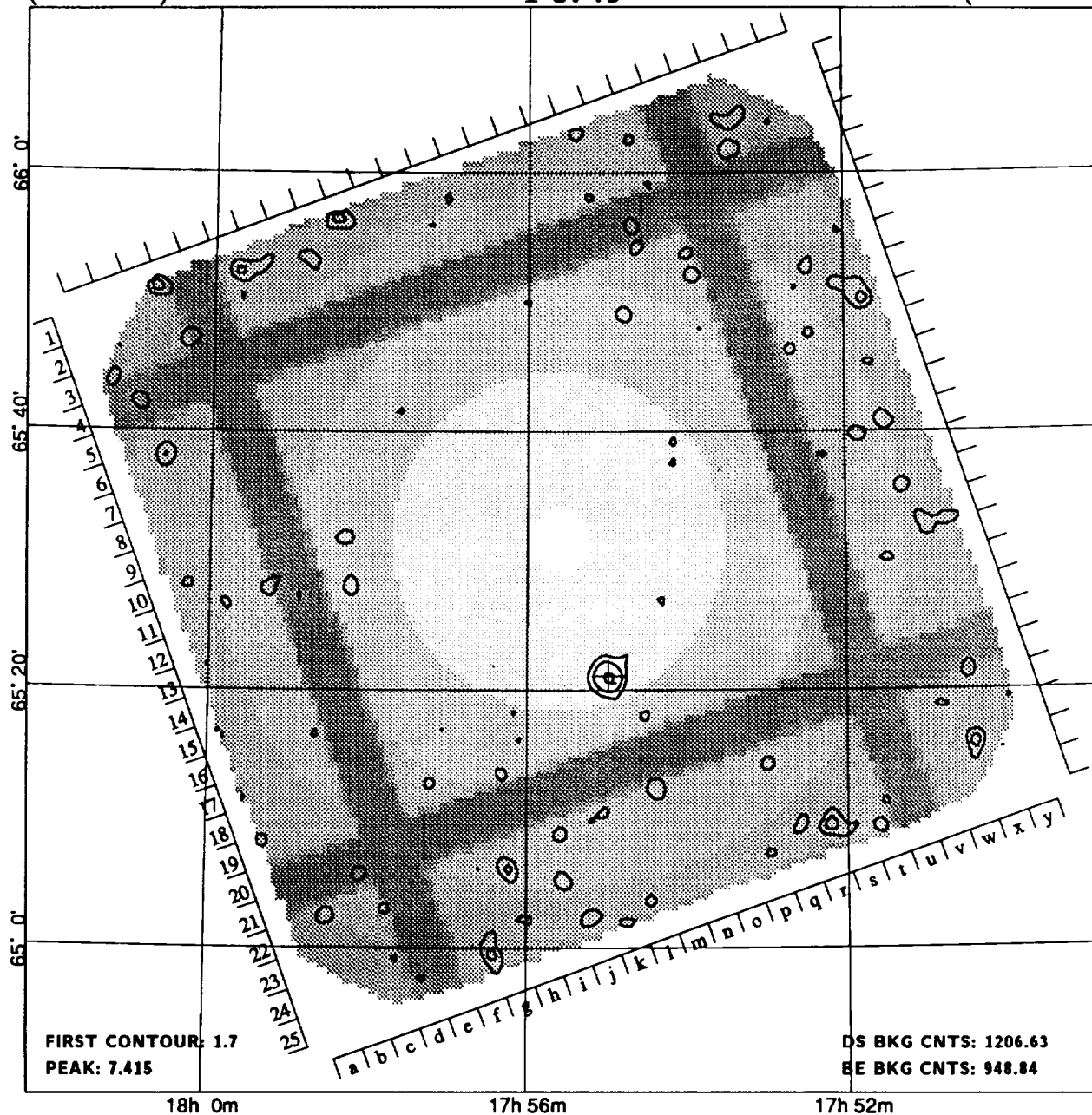
DATE: 1980/114 - 1980/114
 LIVETIME: 1807.7s
 ROLL ANGLE: -56.9°

NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 55m)

I 8749

(17h 55m)



GSFC NEP SURVEY - FIELD # 16 -2 0

FIELD CENTER: $17^{\text{h}}55^{\text{m}}33.3^{\text{s}}$ $65^{\circ}30'54''$ (B1950)
 $17^{\text{h}}55^{\text{m}}40.4^{\text{s}}$ $65^{\circ}30'35''$ (J2000)
 $\ell: 95.17$ $b: 30.25$

DATE: 1980/148 - 1980/148
 LIVETIME: 977.8s
 ROLL ANGLE: -19.7°

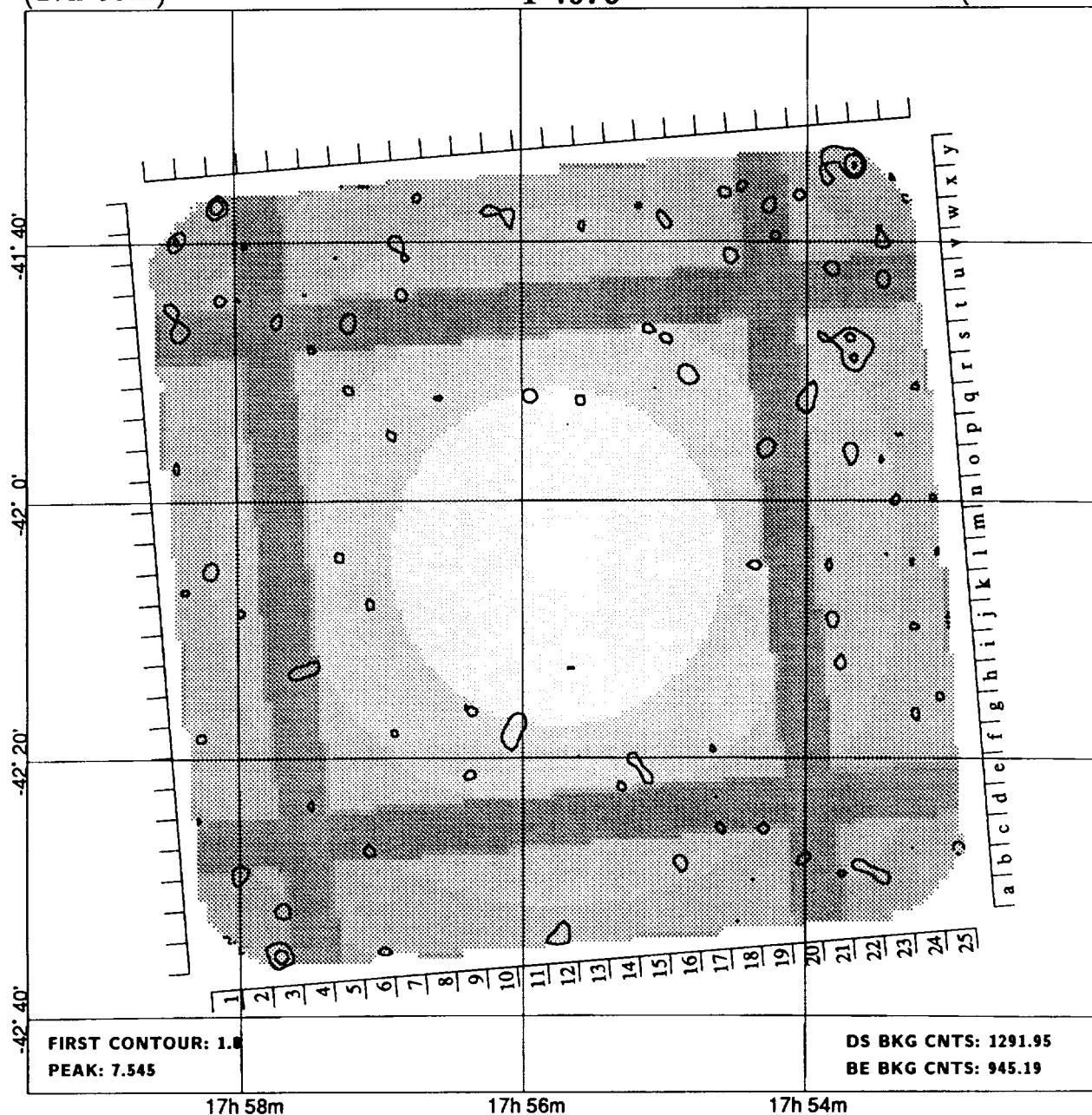
NH: $3.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3979	1	17 54 58.9	65 21 05	42	0.0393	0.0086	25.1	4.9	4.6	0.9	0	10.6	H

(17h 55m)

I 4070

(17h 55m)



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $17^{\text{h}}55^{\text{m}}41.8^{\text{s}}$ $-42^{\circ}03'59''$ (B1950)
 $17^{\text{h}}59^{\text{m}}15.9^{\text{s}}$ $-42^{\circ}04'10''$ (J2000)
 l : 350.00 b : -9.00

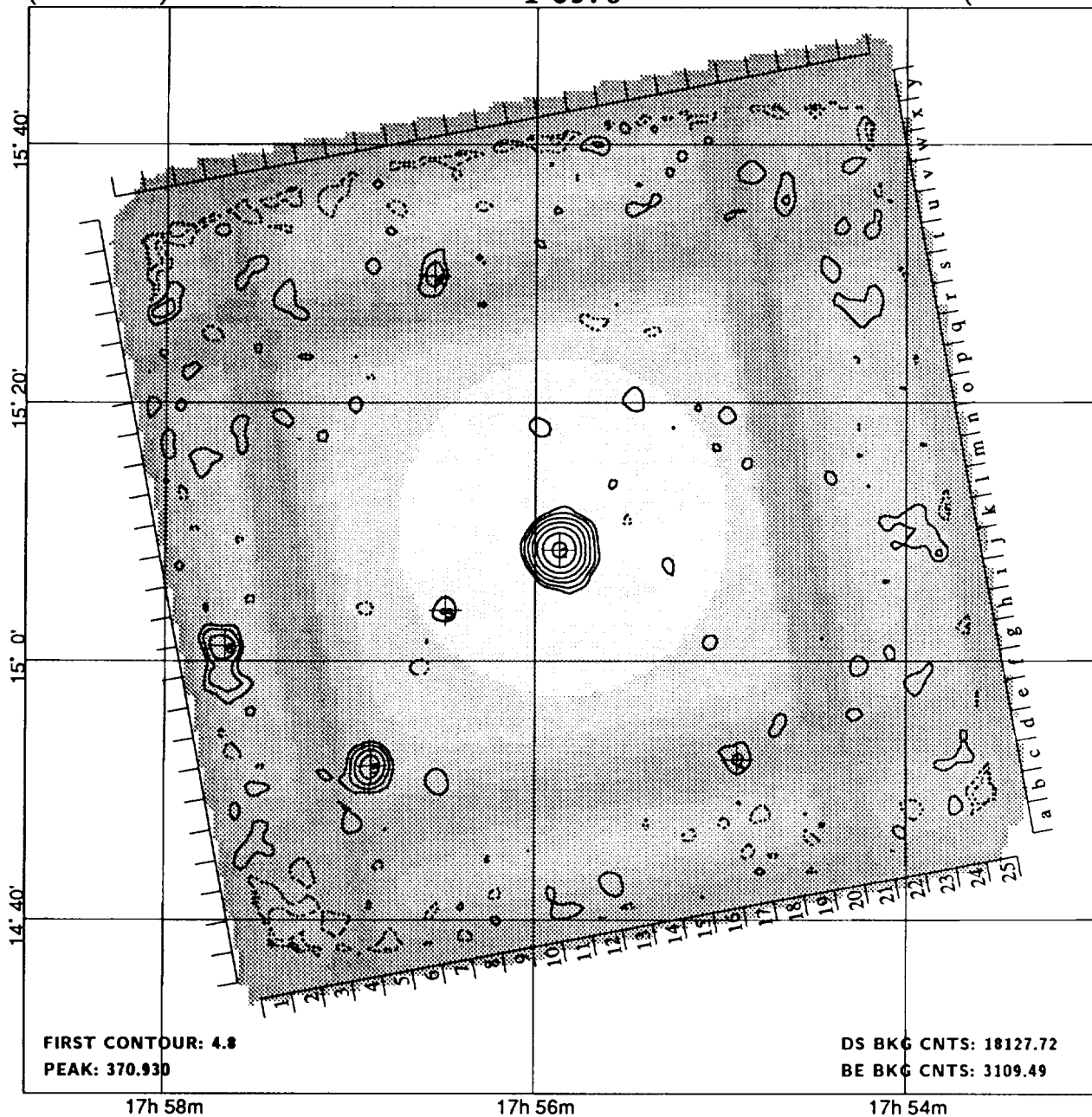
DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 1084.5s
 ROLL ANGLE: -94.6°

NH: $1.1\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 55m)

I 6970

(17h 55m)



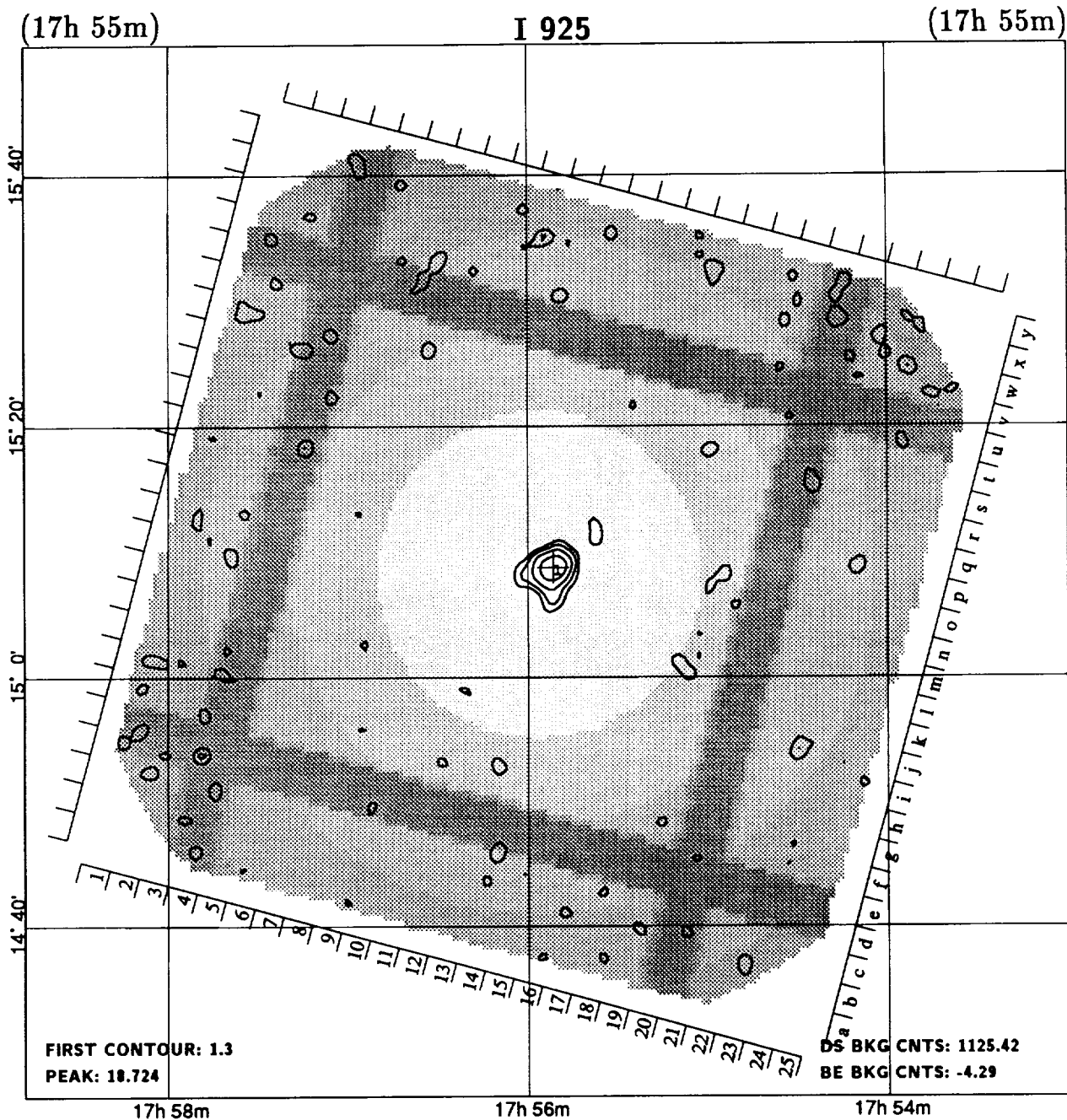
SAO #103254, STELLAR X-RAY VARIABILITY STUDIES

FIELD CENTER: $17^{\text{h}}55^{\text{m}}51.2^{\text{s}}$ $15^{\circ}08'30''$ (B1950)
 $17^{\text{h}}58^{\text{m}}06.9^{\text{s}}$ $15^{\circ}08'17''$ (J2000)
 ℓ : 40.87 b : 18.49

DATE: 1981/ 65 - 1981/ 65
 LIVETIME: 14689.4s
 ROLL ANGLE: -100.6°

NH: $9.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3977	1	17 54 54.4	14 52 20	73	*0.0044	0.0011	30.5	23.5	4.2	0.6	1609	21.2		
3982	2	17 55 52.1	15 08 40	31	0.1526	0.0038	1669.4	53.6	40.2	1.3	0	0.4	AH	S
3983	3	17 56 29.1	15 04 00	43	0.00328	0.00090	31.6	43.4	3.6	0.5	0	10.2	H	
3985	4	17 56 33.0	15 29 48	55	*0.0049	0.0011	34.7	24.3	4.5	0.8	1209	23.6		
3986	5	17 56 53.1	14 51 51	48	*0.0218	0.0020	145.5	33.5	10.9	1.0	905	22.5	H	
3990	6	17 57 40.6	15 01 11	50	0.0133	0.0019	71.7	30.3	7.1	1.4	600	27.5	H	



Z HER (GC24450) STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $17^{\text{h}}55^{\text{m}}53.7^{\text{s}}$ $15^{\circ}08'29''$ (B1950)
 $17^{\text{h}}58^{\text{m}}09.4^{\text{s}}$ $15^{\circ}08'17''$ (J2000)
 $l: 40.87$ $b: 18.48$

DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 912.0s
 ROLL ANGLE: -74.9°

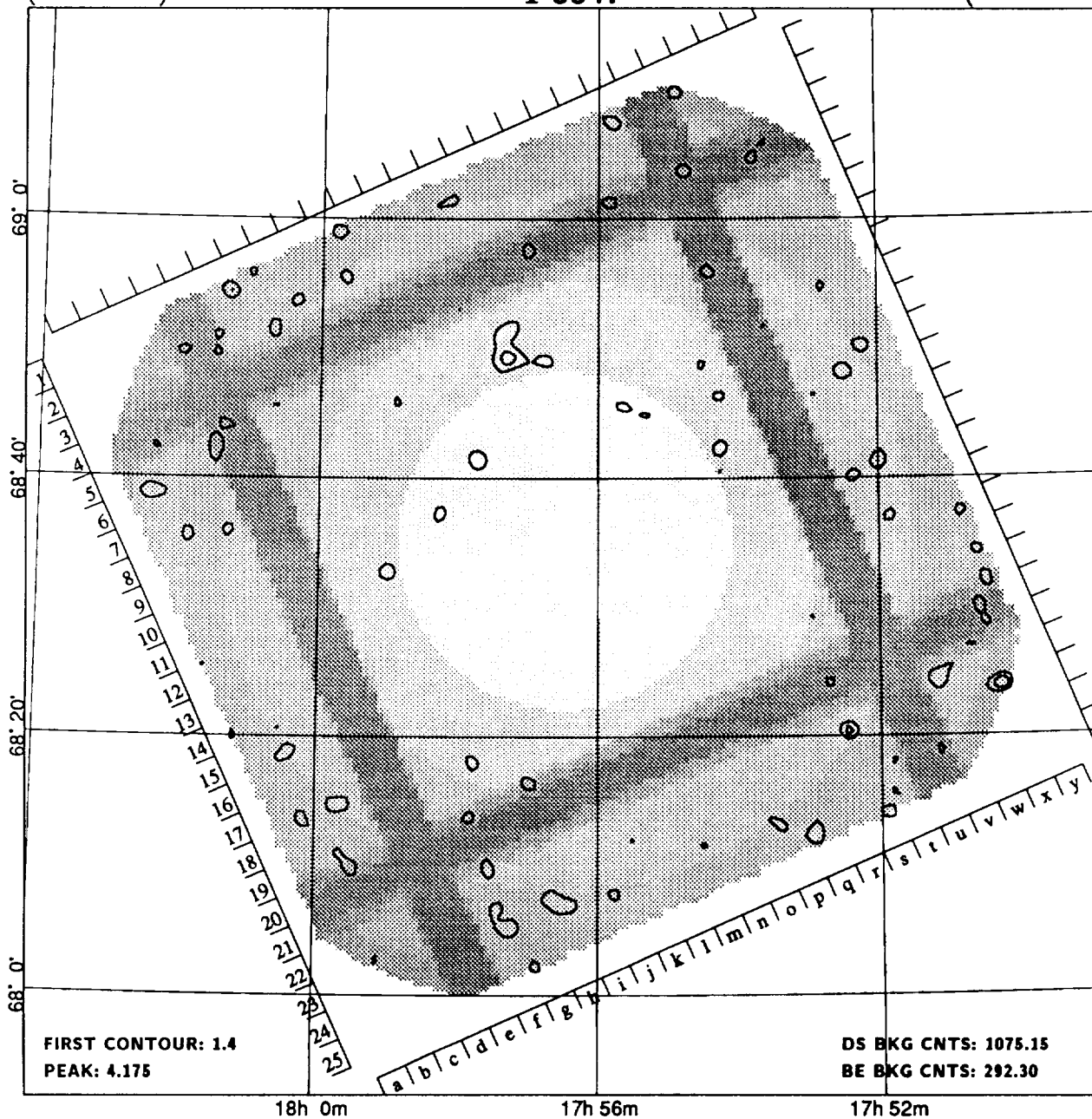
NH: $9.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3982	1	17 55 51.5	15 08 44	32	0.113	0.013	76.2	2.8	8.6	1.2	0	0.8	AH	S

(17h 56m)

I 8847

(17h 56m)



FIELD CENTER: $17^{\text{h}}56^{\text{m}}30.0^{\text{s}}$ $68^{\circ}34'20''$ (B1950)
 $17^{\text{h}}56^{\text{m}}13.6^{\text{s}}$ $68^{\circ}34'04''$ (J2000)
 $l: 98.71$ $b: 30.14$

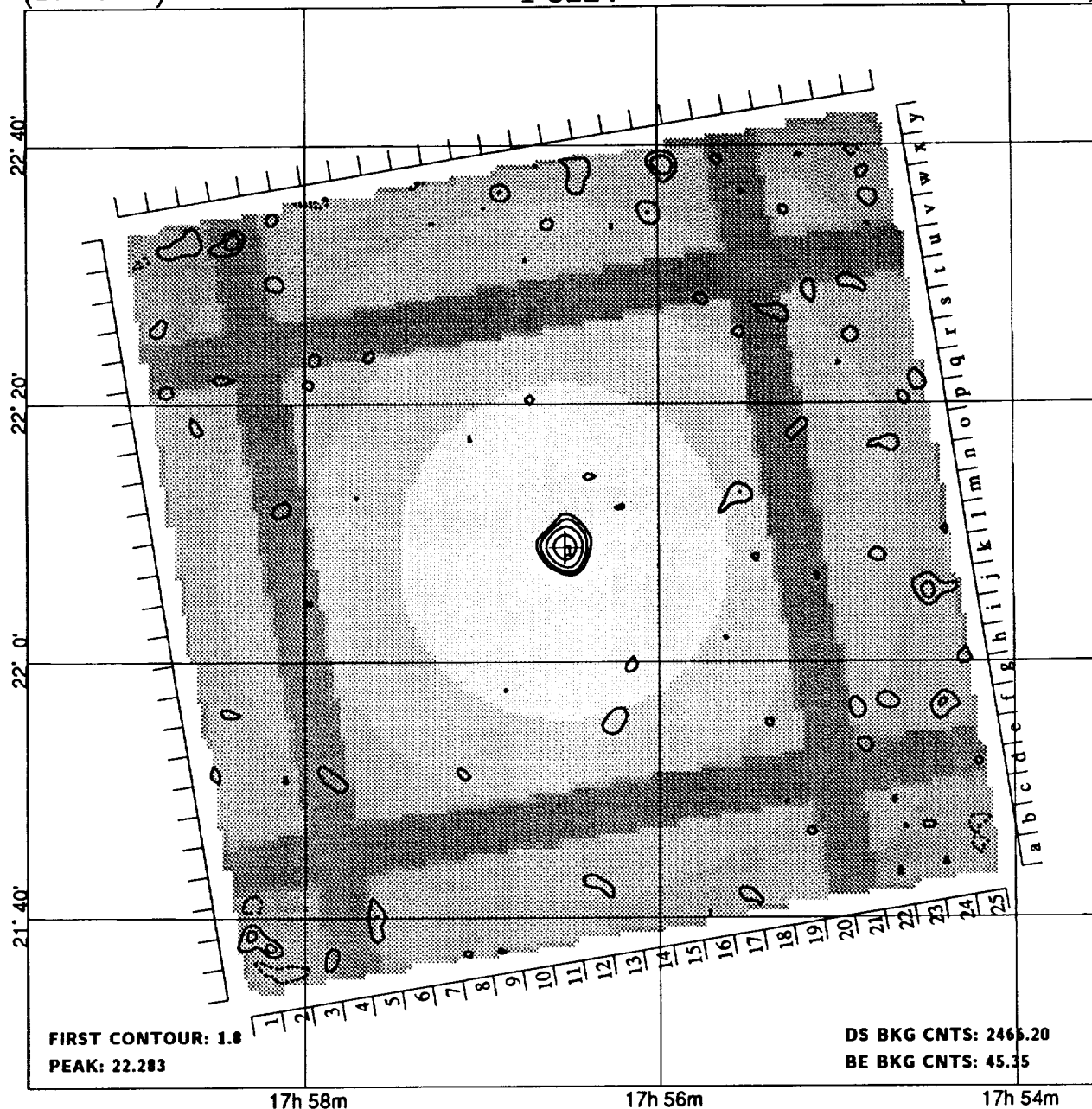
DATE: 1980/147 - 1980/147
 LIVETIME: 871.2s
 ROLL ANGLE: -23.9°

NH: $4.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 56m)

I 3224

(17h 56m)



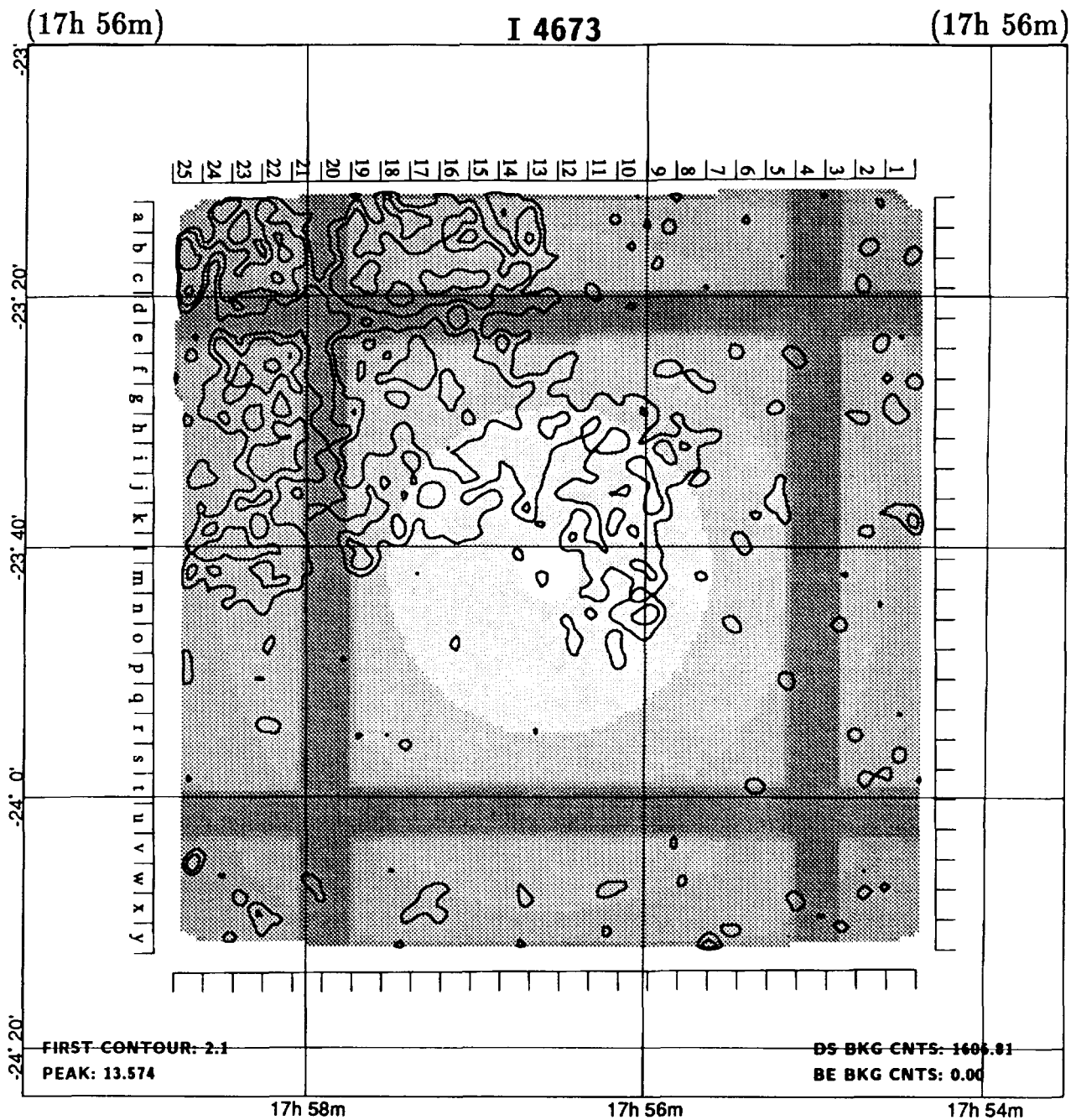
RS CVN SYSTEMS: MM HER

FIELD CENTER: $17^{\text{h}}56^{\text{m}}32.3^{\text{s}}$ $22^{\circ}08'53''$ (B1950)
 $17^{\text{h}}56^{\text{m}}38.9^{\text{s}}$ $22^{\circ}08'43''$ (J2000)
 $l: 47.78$ $b: 21.11$

DATE: 1979/ 66 - 1979/ 66
 LIVETIME: 1998.4s
 ROLL ANGLE: -99.2°

NH: $8.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3984	1	17 56 31.9	22 08 52	31	0.0643	0.0068	95.8	6.2	9.5	1.1	0	0.2	H	CV



W28 SNR FOLLOWUP POSITION #4

FIELD CENTER: 17^h56^m35.8^s -23°41'59" (B1950)
17^h59^m38.9^s -23°42'08" (J2000)
 l : 6.10 b : -0.04

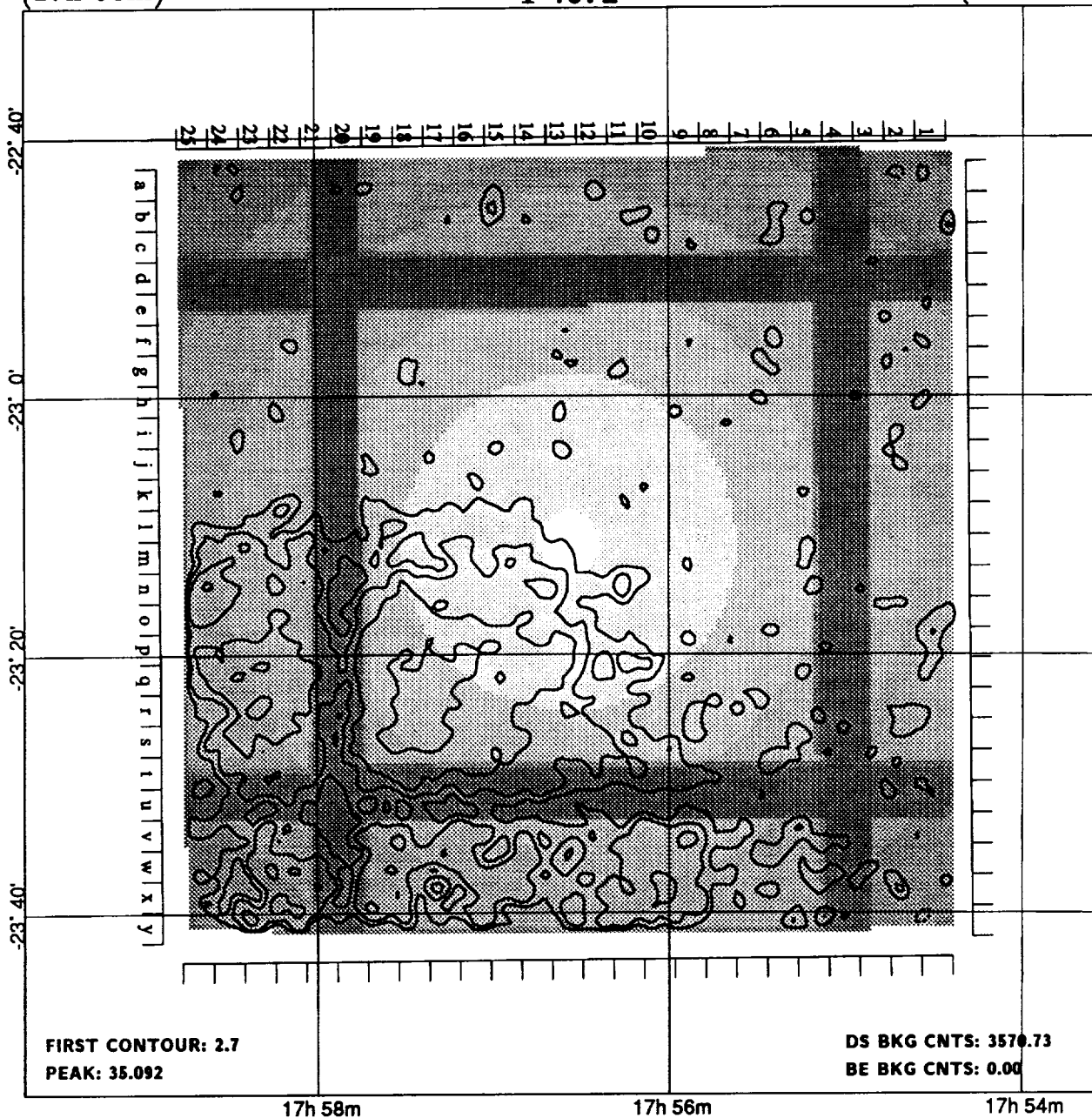
DATE: 1979/252 - 1979/252
LIVETIME: 1302.0s
ROLL ANGLE: 89.7°

NH: 1.0E+22
REF/ID:
FIELD FLAGS: LS

(17h 56m)

I 4672

(17h 56m)



W28 SNR FOLLOWUP POSITION #3

FIELD CENTER: $17^{\text{h}}56^{\text{m}}35.8^{\text{s}}$ $-23^{\circ}11'59''$ (B1950)
 $17^{\text{h}}59^{\text{m}}38.2^{\text{s}}$ $-23^{\circ}12'08''$ (J2000)
 $l: 6.64$ $b: 0.21$

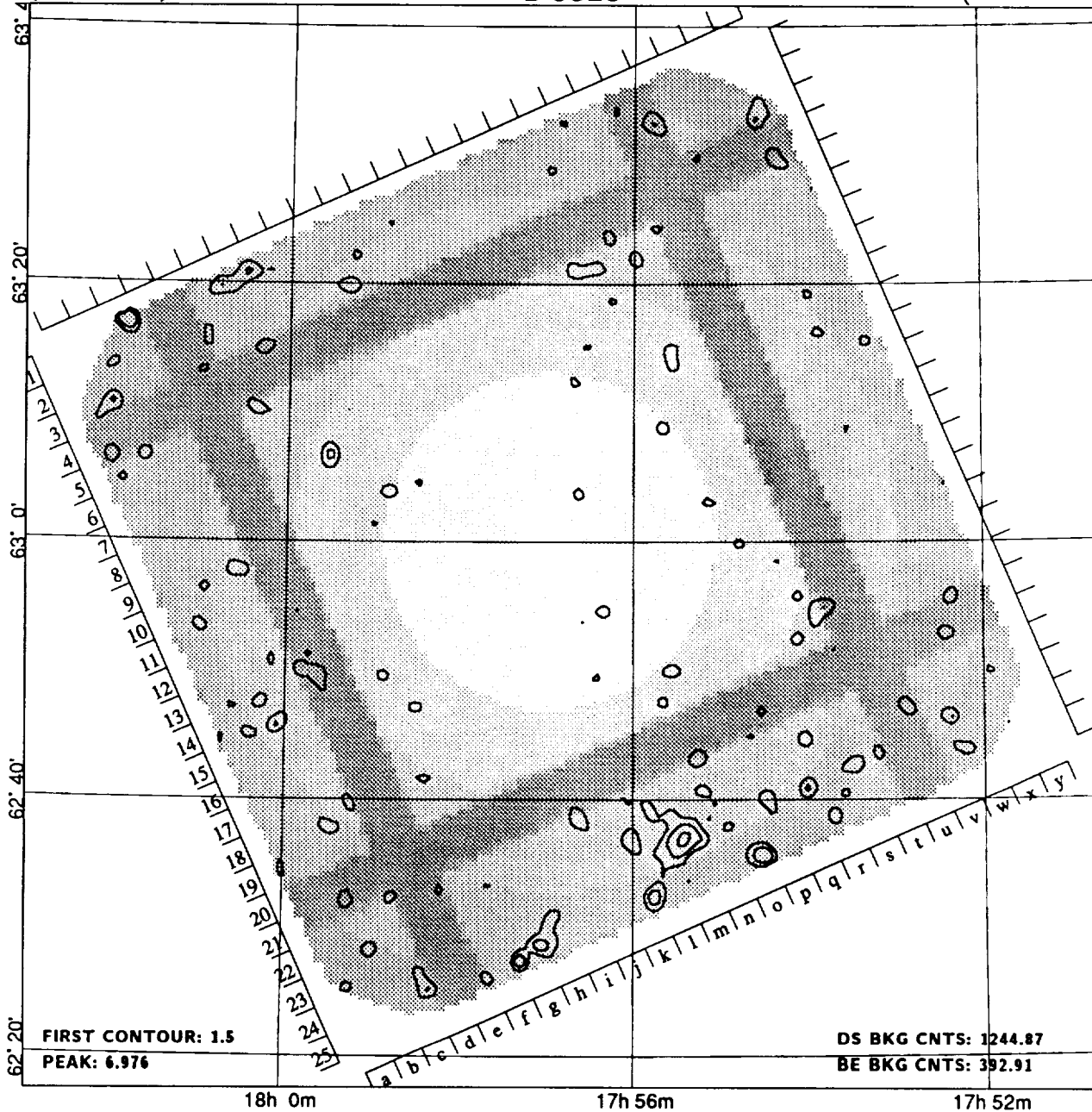
DATE: 1979/267 - 1979/267
 LIVETIME: 2893.5s
 ROLL ANGLE: 89.6°

NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS: LS

(17h 56m)

I 8828

(17h 56m)



GSFC NEP SURVEY - FIELD # 95 -S 2

FIELD CENTER: $17^{\text{h}}56^{\text{m}}50.6^{\text{s}}$ $62^{\circ}59'38''$ (B1950)
 $17^{\text{h}}57^{\text{m}}13.4^{\text{s}}$ $62^{\circ}59'25''$ (J2000)
 $l: 92.26$ $b: 30.06$

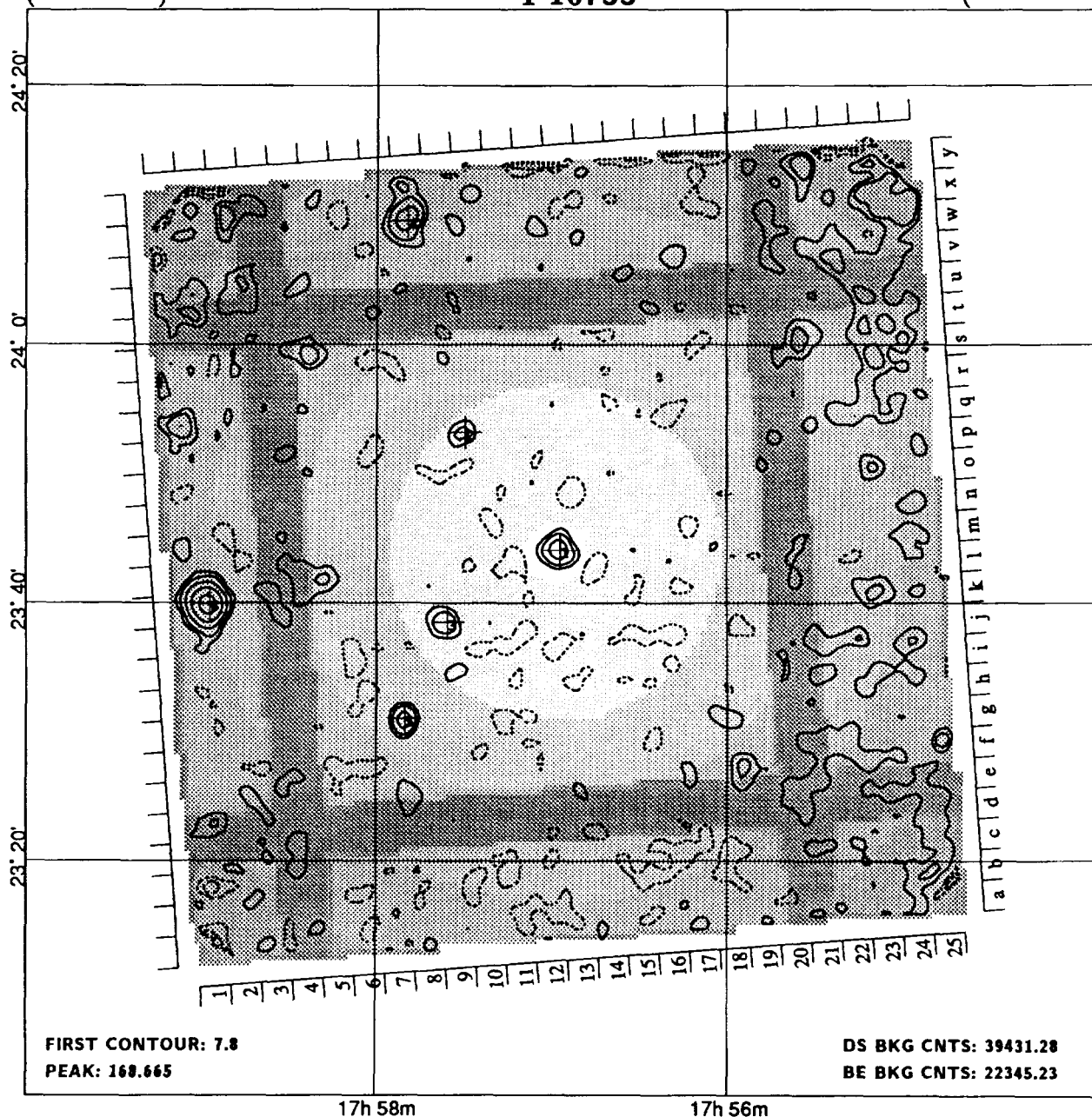
DATE: 1980/147 - 1980/147
 LIVETIME: 1000.7s
 ROLL ANGLE: -24.0°

NH: $3.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 56m)

I 10755

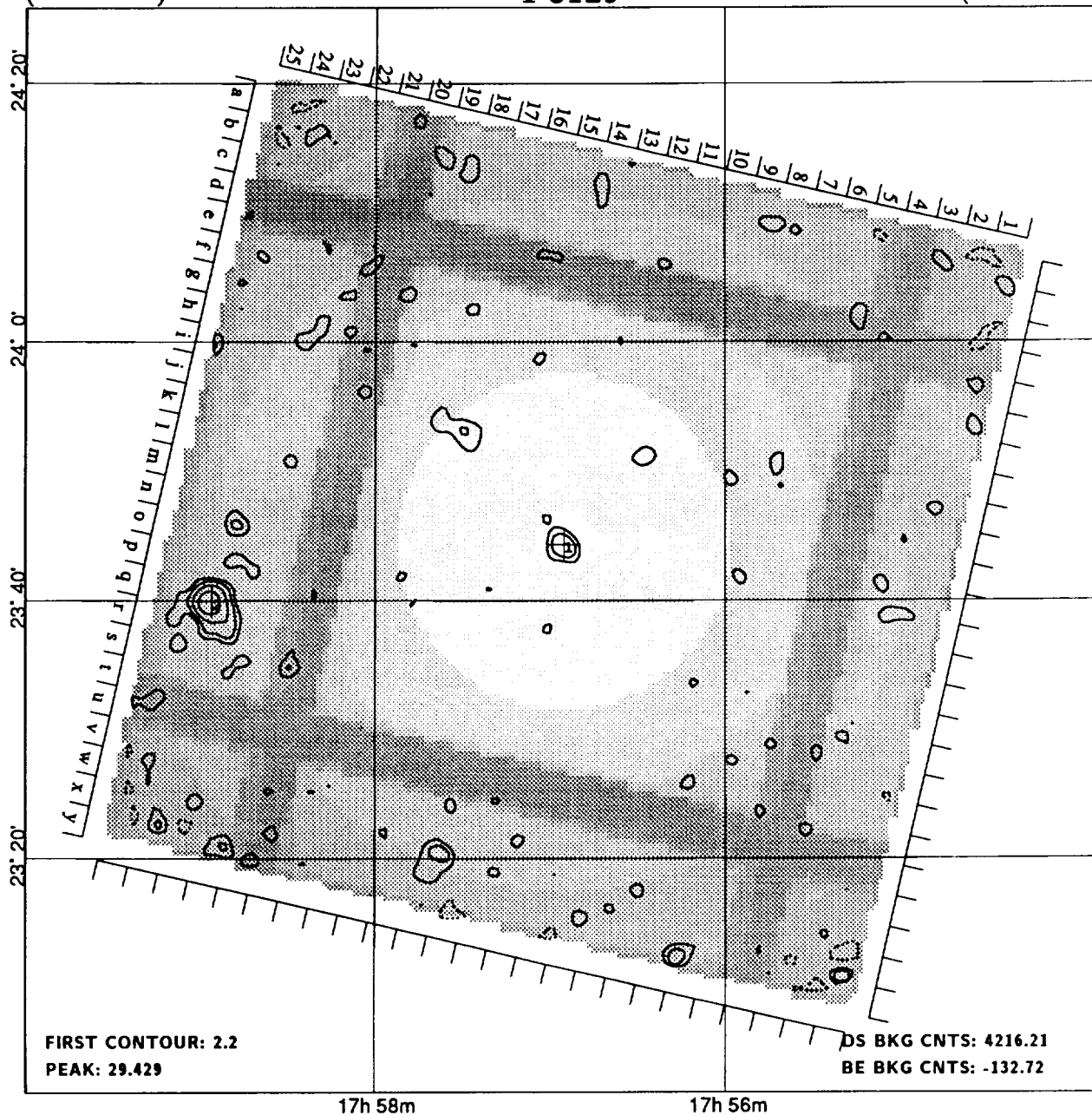
(17h 56m)



(17h 56m)

I 5129

(17h 56m)



17h 58m

17h 56m

QSO OT295

FIELD CENTER: $17^{\text{h}}56^{\text{m}}55.9^{\text{s}}$ $23^{\circ}43'54''$ (B1950)
 $17^{\text{h}}59^{\text{m}}00.3^{\text{s}}$ $23^{\circ}43'46''$ (J2000)
 $\ell: 49.39$ $b: 21.61$

DATE: 1979/283 - 1979/283

NH: $8.8\text{E}+20$

LIVETIME: 3416.5s

REF/ID:

ROLL ANGLE: 102.9°

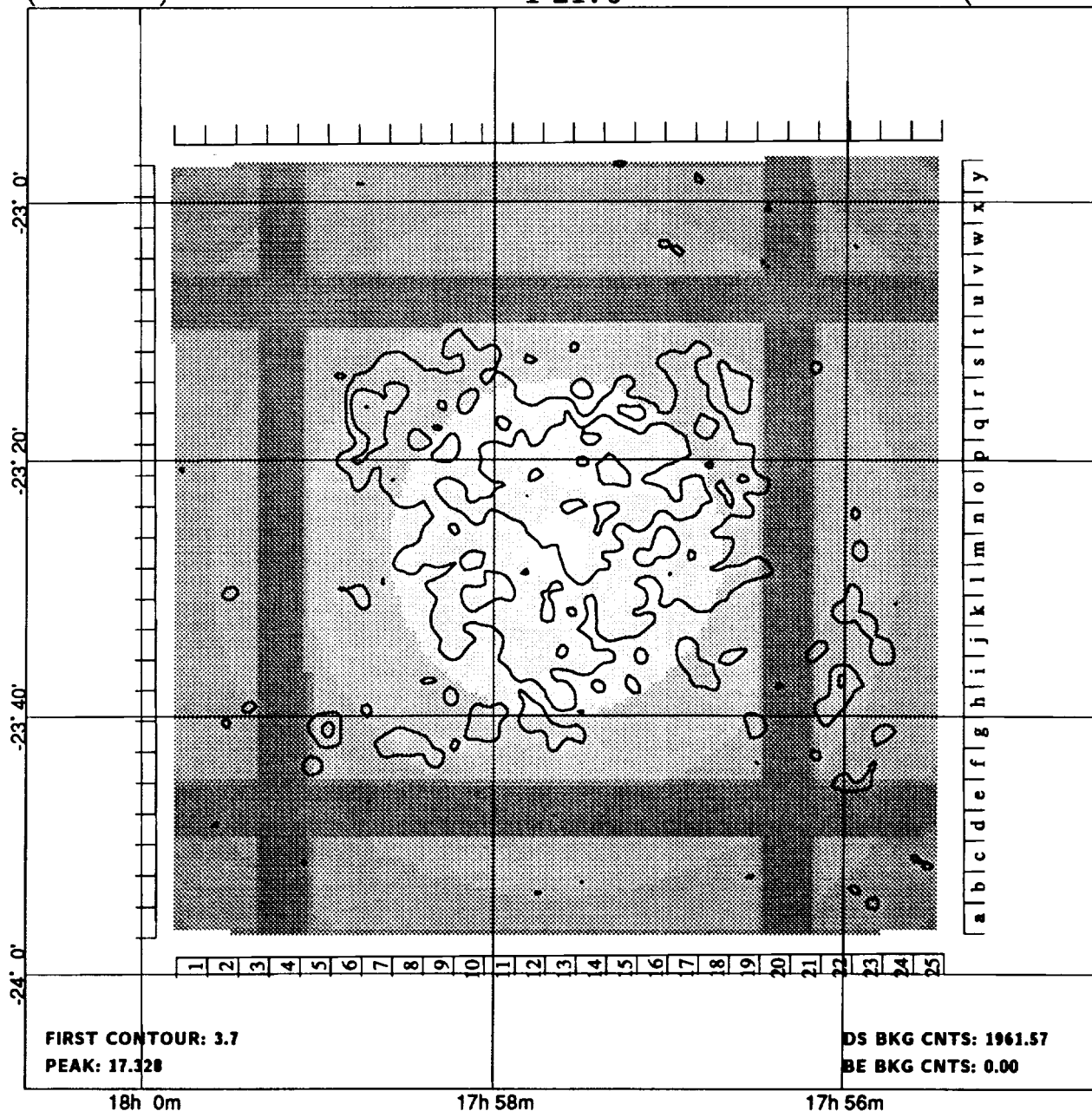
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3987	1	17 56 55.1	23 44 17	36	0.0130	0.0026	33.1	9.9	5.0	0.7	0	0.4	AH	Q
3994	2	17 58 55.7	23 39 55	50	0.0456	0.0062	59.4	6.6	7.3	1.2	0	27.9	AH	

(17h 57m)

I 2170

(17h 57m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G6.4-0.1=W28

FIELD CENTER: $17^{\text{h}}57^{\text{m}}35.8^{\text{s}}$ $-23^{\circ}26'59''$ (B1950)
 $18^{\text{h}}00^{\text{m}}38.6^{\text{s}}$ $-23^{\circ}27'03''$ (J2000)
 $l: 6.44$ $b: -0.11$

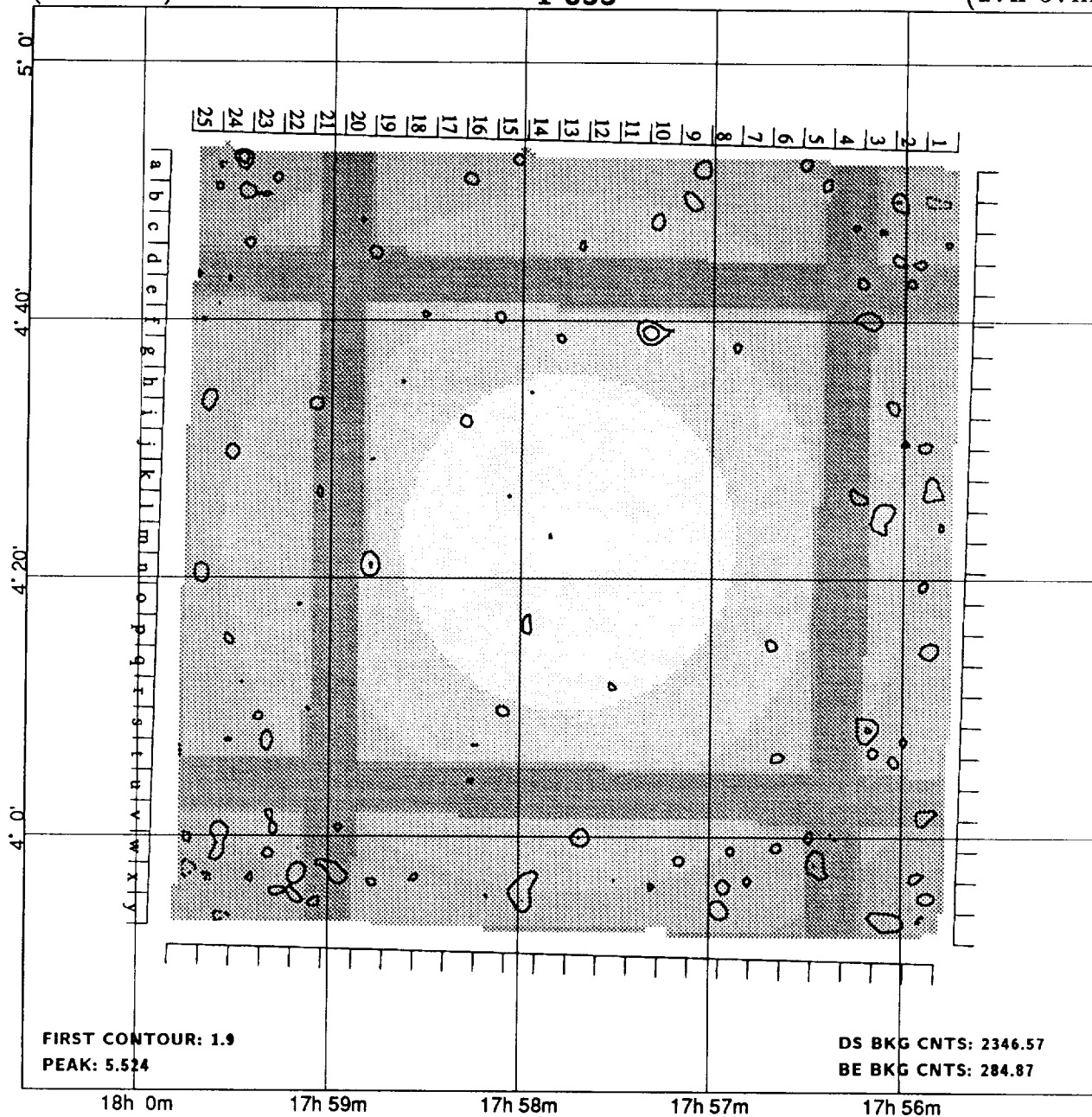
DATE: 1979/ 88 - 1979/ 88
 LIVETIME: 1589.5s
 ROLL ANGLE: -90.3°

NH: $1.0\text{E}+22$
 REF/ID: S
 FIELD FLAGS: LS

(17h 57m)

I 833

(17h 57m)



66 OPH STELLAR OBSERVATIONS, B STARS

FIELD CENTER: $17^h 57^m 46.8^s$ $04^\circ 22' 10''$ (B1950)
 $18^h 00^m 15.5^s$ $04^\circ 22' 06''$ (J2000)
 $l: 30.99$ $b: 13.37$

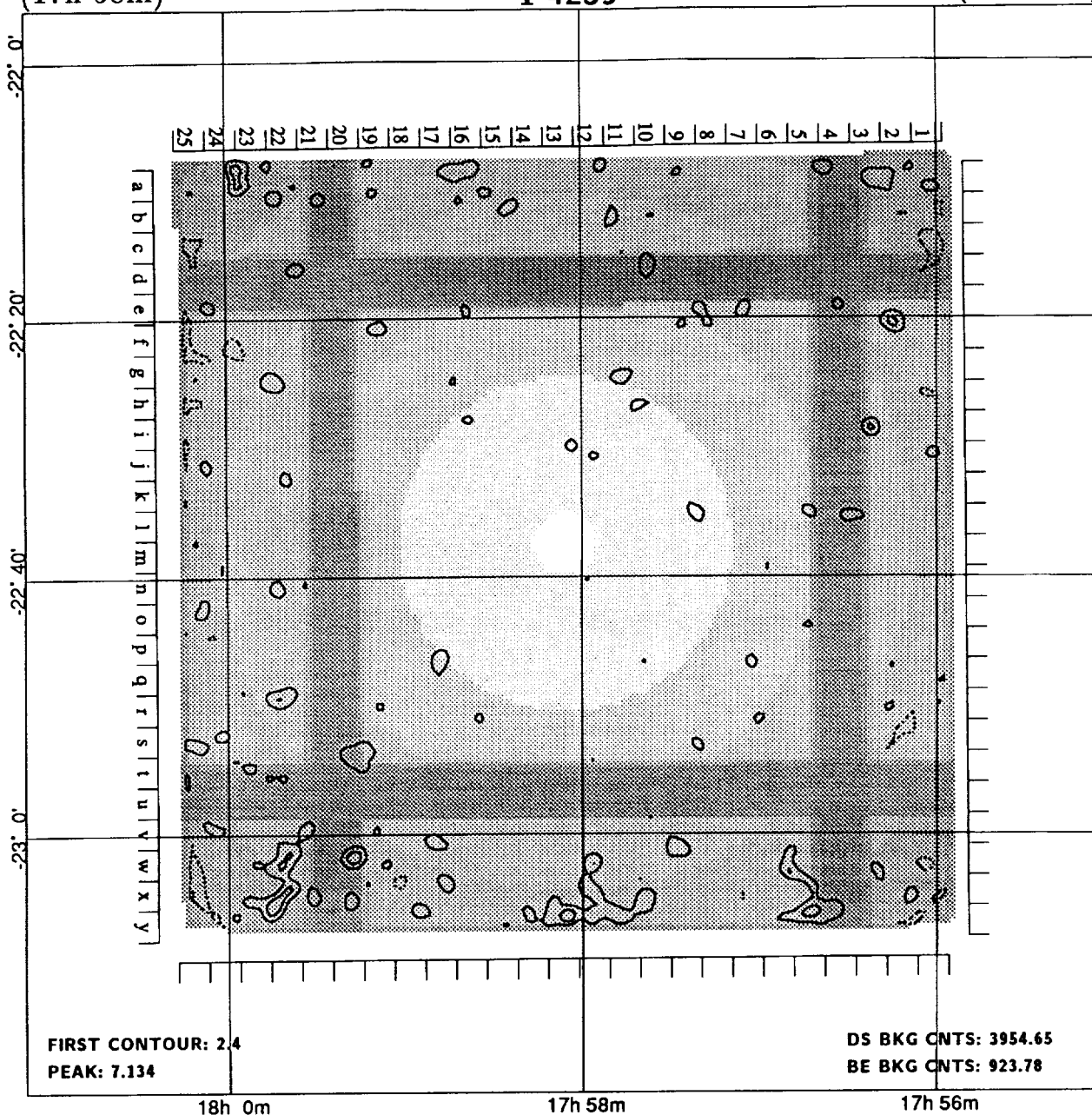
DATE: 1979/269 - 1979/269
 LIVETIME: 1901.5s
 ROLL ANGLE: 91.2°

NH: $1.0E+21$
 REF/ID:
 FIELD FLAGS:

(17h 58m)

I 4239

(17h 58m)

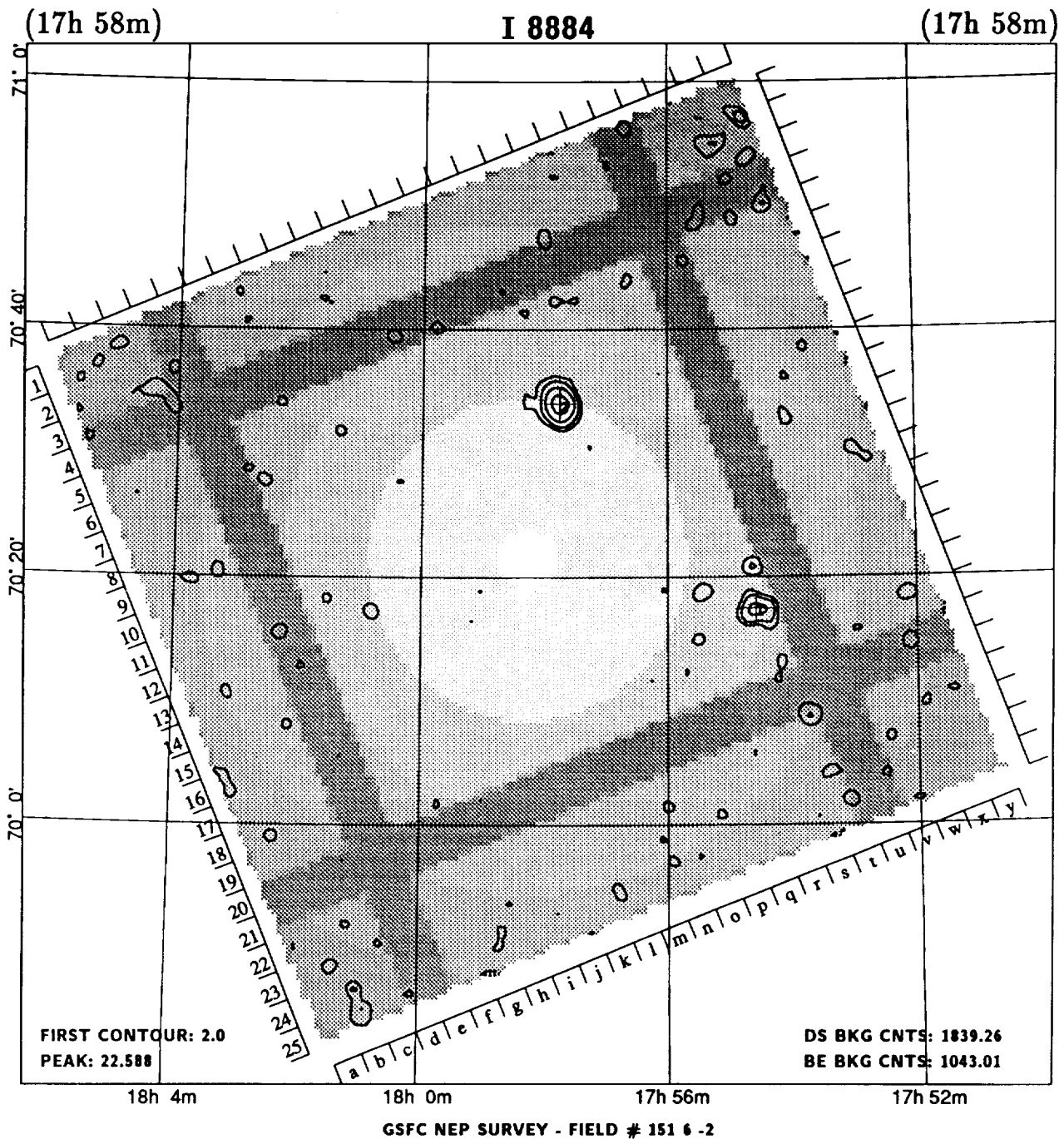


OB ASSOCIATIONS: SGR OB1

FIELD CENTER: $17^{\text{h}}58^{\text{m}}05.8^{\text{s}}$ $-22^{\circ}37'59''$ (B1950)
 $18^{\text{h}}01^{\text{m}}07.5^{\text{s}}$ $-22^{\circ}38'01''$ (J2000)
 $l: 7.20$ $b: 0.20$

DATE: 1979/268 - 1979/269
 LIVETIME: 3204.6s
 ROLL ANGLE: 89.8°

NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $17^h 58^m 06.6^s$ $70^\circ 21' 08''$ (B1950)
 $17^h 57^m 33.3^s$ $70^\circ 20' 58''$ (J2000)
 $l: 100.76$ $b: 29.94$

DATE: 1980/149 - 1980/149
 LIVETIME: 1490.4s
 ROLL ANGLE: -21.9°

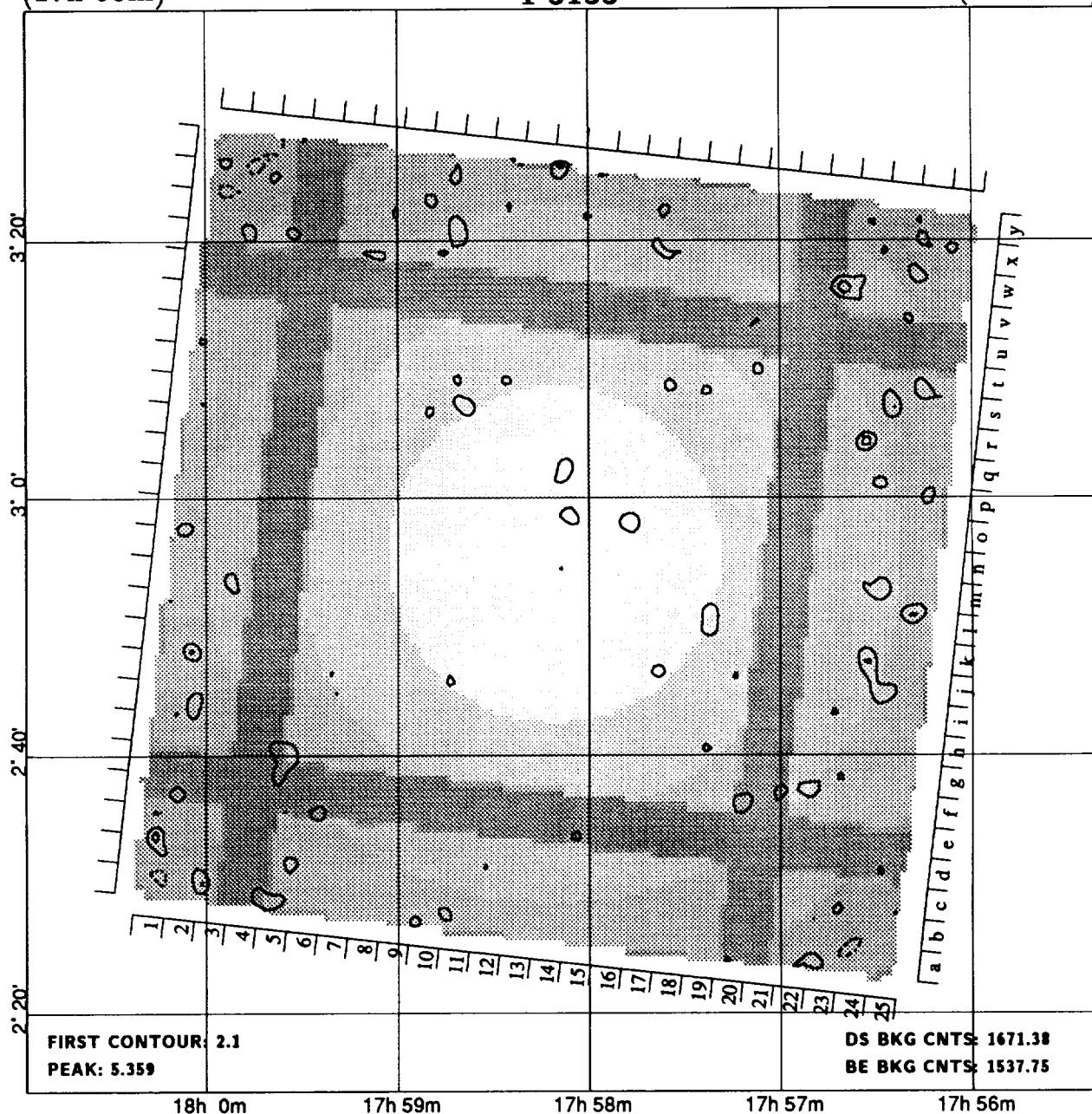
NH: $4.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3975	1	17 54 34.9	70 17 28	51	0.0348	0.0073	27.3	5.7	4.8	0.9	500	18.3	H	
3991	2	17 57 45.4	70 34 02	38	0.0793	0.0096	74.1	5.9	8.3	1.1	0	13.0	H	

(17h 58m)

I 3135

(17h 58m)



CORONAL EMISSION FROM OB SUPERGIANTS: 67 OPH

FIELD CENTER: $17^{\text{h}}58^{\text{m}}07.8^{\text{s}}$ $02^{\circ}55'58''$ (B1950)
 $18^{\text{h}}00^{\text{m}}38.2^{\text{s}}$ $02^{\circ}55'56''$ (J2000)
 $l: 29.72$ $b: 12.63$

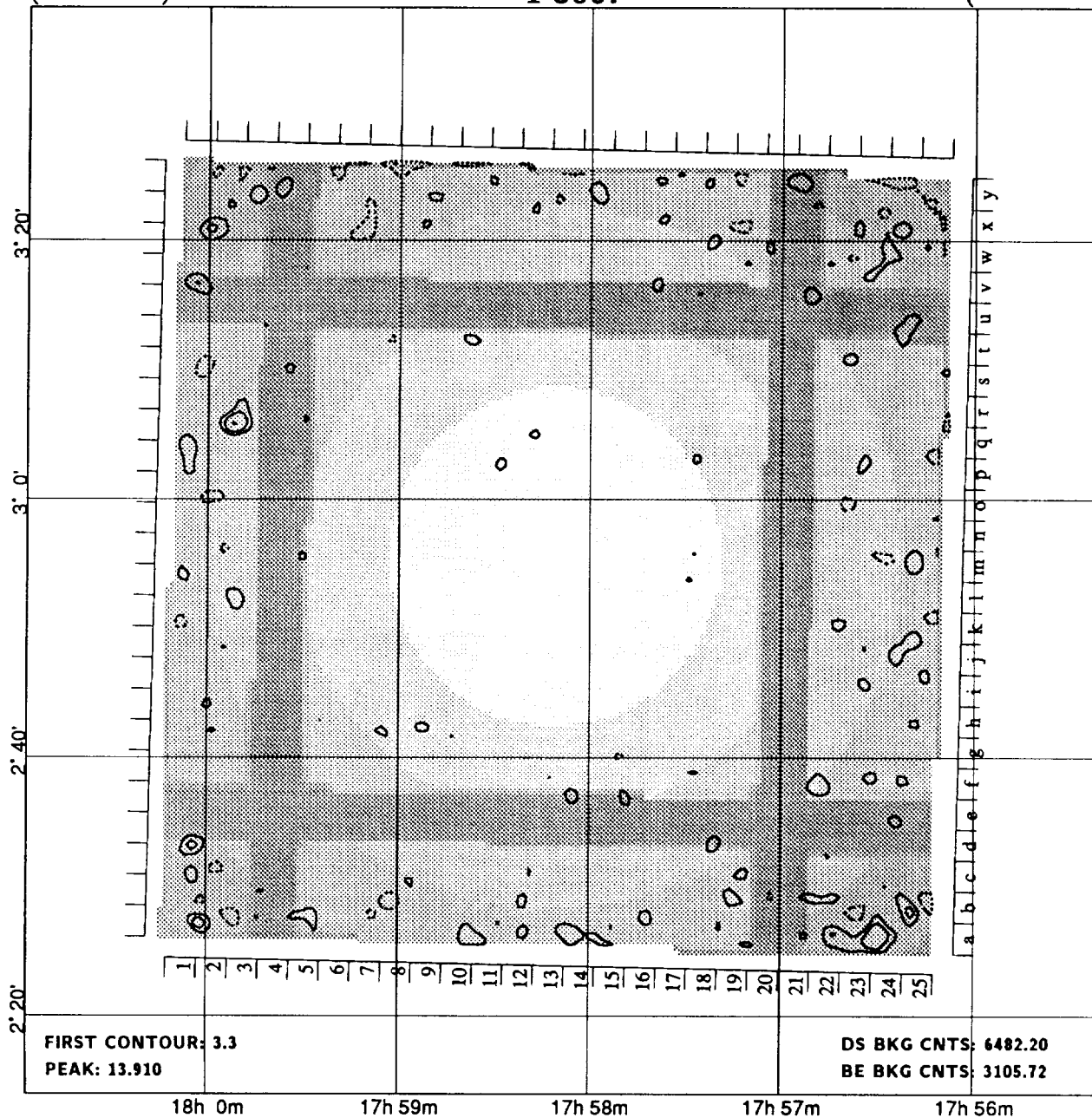
DATE: 1979/ 88 - 1979/ 88
 LIVETIME: 1354.4s
 ROLL ANGLE: -83.6°

NH: $1.2\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(17h 58m)

I 5067

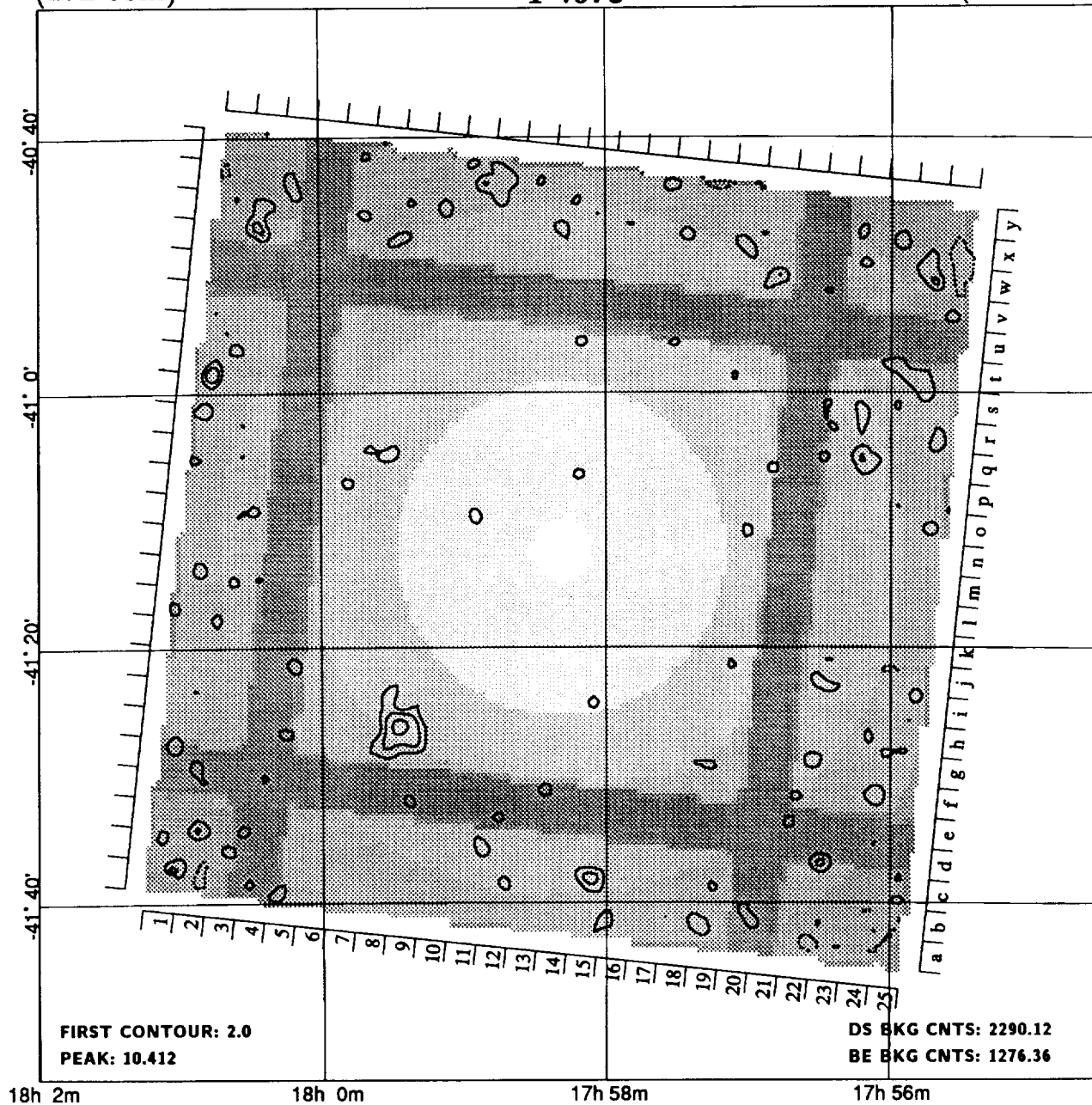
(17h 58m)



(17h 58m)

I 4075

(17h 58m)



FIELD CENTER: $17^{\text{h}}58^{\text{m}}14.8^{\text{s}}$ $-41^{\circ}11'59''$ (B1950)
 $18^{\text{h}}01^{\text{m}}47.1^{\text{s}}$ $-41^{\circ}11'59''$ (J2000)
 $l: 351.00$ $b: -9.00$

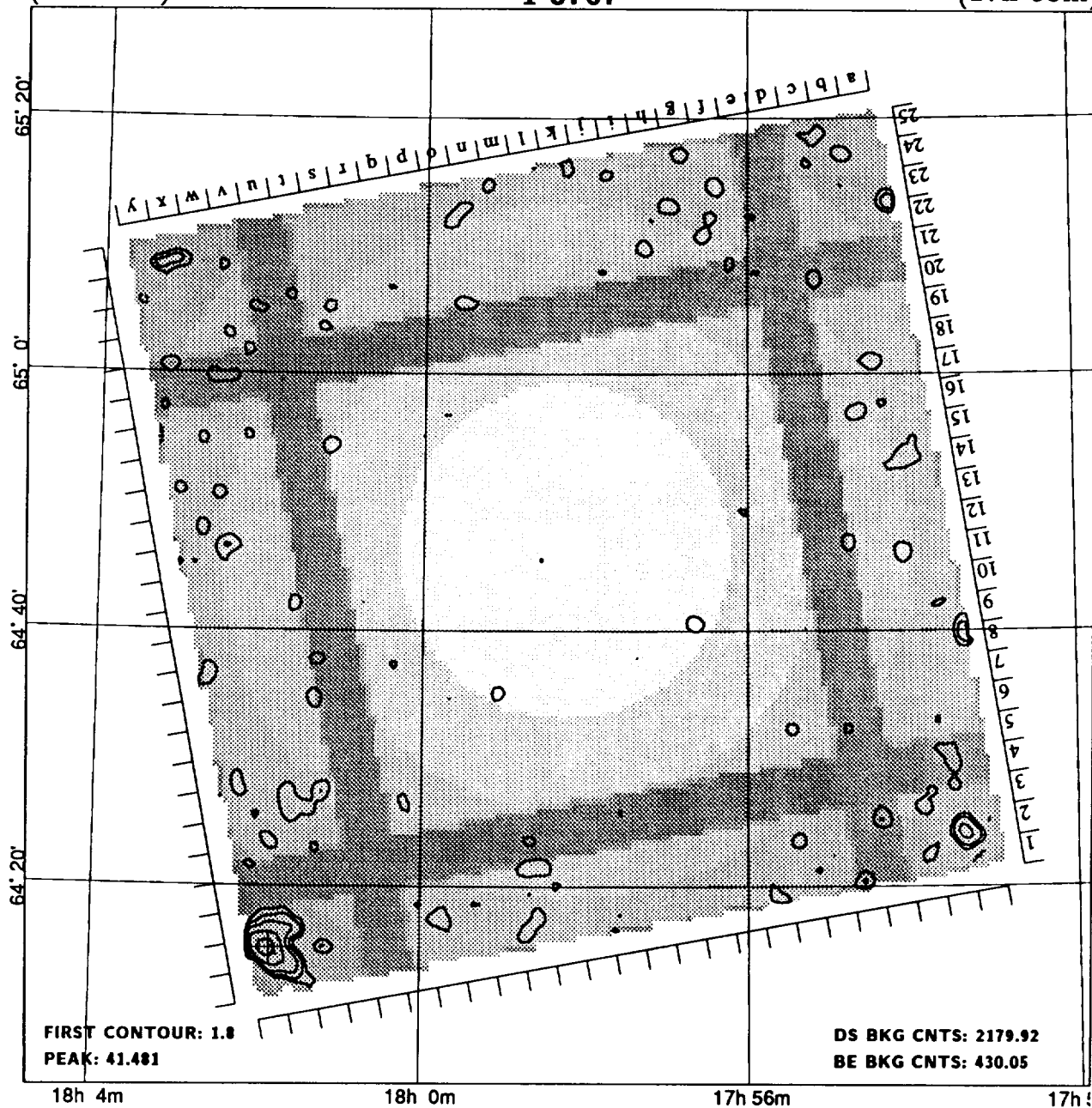
DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 1922.4s
 ROLL ANGLE: -83.9°

NH: 1.6×10^{21}
 REF/ID:
 FIELD FLAGS: LS

(17h 58m)

I 8767

(17h 58m)



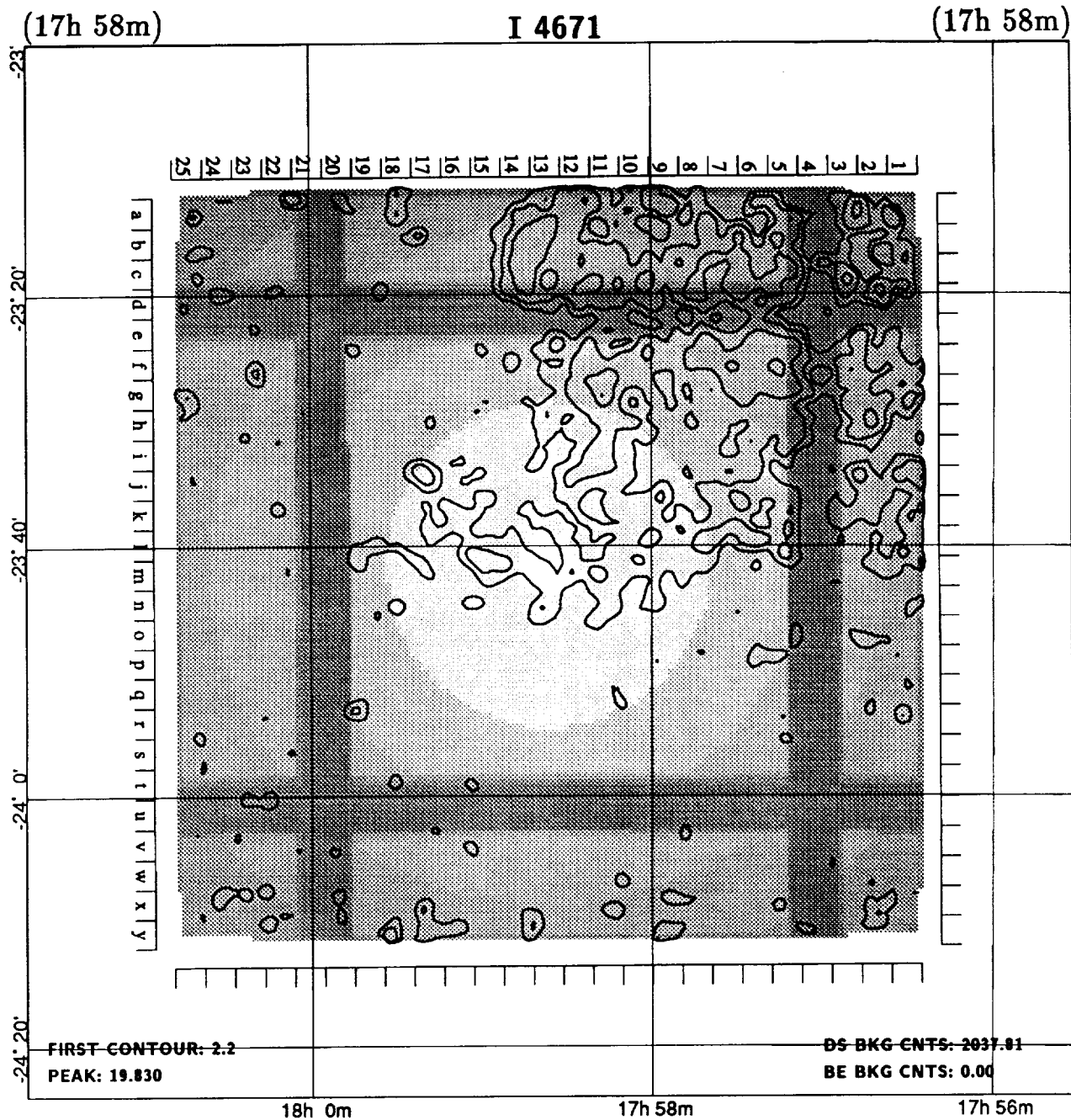
GSFC NEP SURVEY - FIELD # 34 - 3 1

FIELD CENTER: 17^h58^m19.7^s 64°46'29" (B1950)
 17^h58^m31.7^s 64°46'22" (J2000)
 ℓ : 94.32 b : 29.95

DATE: 1980/348 - 1980/348
 LIVETIME: 1766.4s
 ROLL ANGLE: 169.7°

NH: 3.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4002	1	18 01 50.1	64 15 07	50	0.126	0.019	46.2	3.8	6.5	1.3	500	38.5	AH	



W28 SNR FOLLOWUP POSITION #2

FIELD CENTER: 17^h58^m35.8^s -23°41'59" (B1950)
 18^h01^m38.9^s -23°41'59" (J2000)
 ℓ : 6.33 b : -0.44

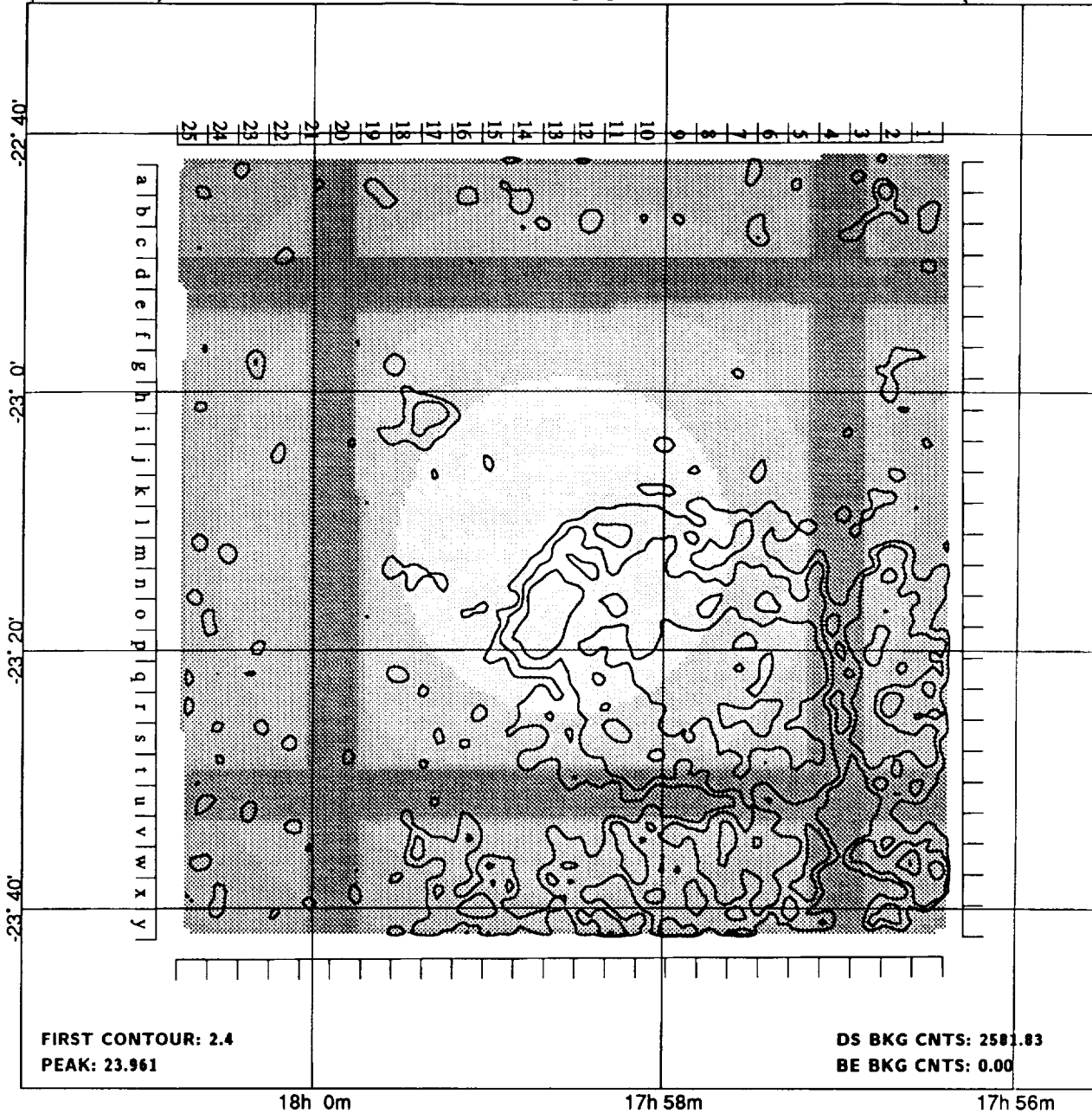
DATE: 1979/252 - 1979/252
 LIVETIME: 1651.3s
 ROLL ANGLE: 89.9°

NH: 1.0E+22
 REF/ID: S
 FIELD FLAGS: LS

(17h 58m)

I 4670

(17h 58m)



W28 SNR FOLLOWUP POSITION #1

FIELD CENTER: 17^h58^m35.8^s -23°11'59" (B1950)
 18^h01^m38.2^s -23°11'59" (J2000)
 l : 6.77 b : -0.19

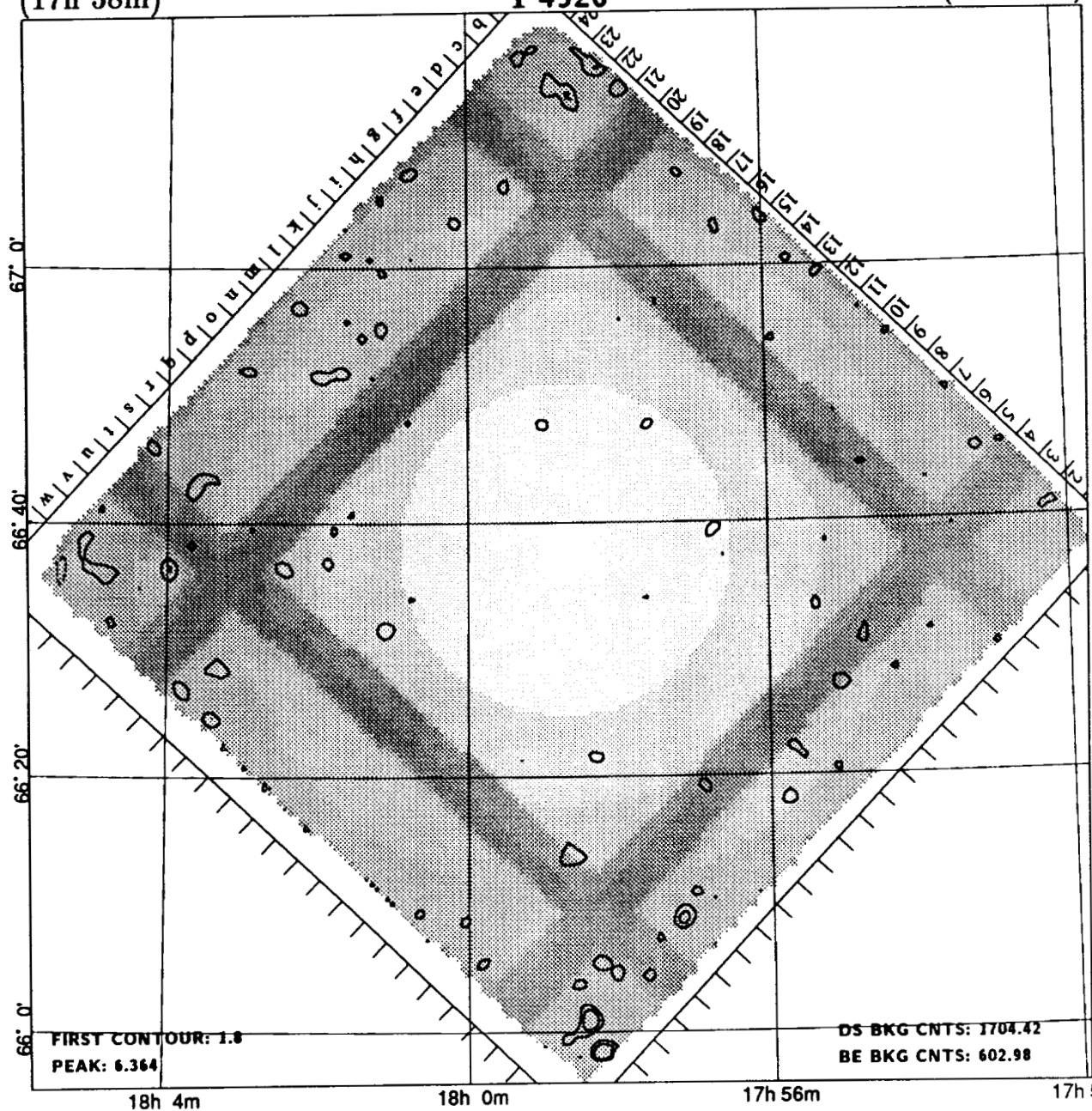
DATE: 1979/254 - 1979/254
 LIVETIME: 2092.1s
 ROLL ANGLE: 89.8°

NH: 1.1E+22
 REF/ID:
 FIELD FLAGS: DLS

(17h 58m)

I 4926

(17h 58m)



CATAclysmic VARIABLE STARS: NGC 6543

FIELD CENTER: $17^{\text{h}}58^{\text{m}}47.8^{\text{s}}$ $66^{\circ}37'59''$ (B1950)
 $17^{\text{h}}58^{\text{m}}47.0^{\text{s}}$ $66^{\circ}37'54''$ (J2000)
 $l: 96.47$ $b: 29.93$

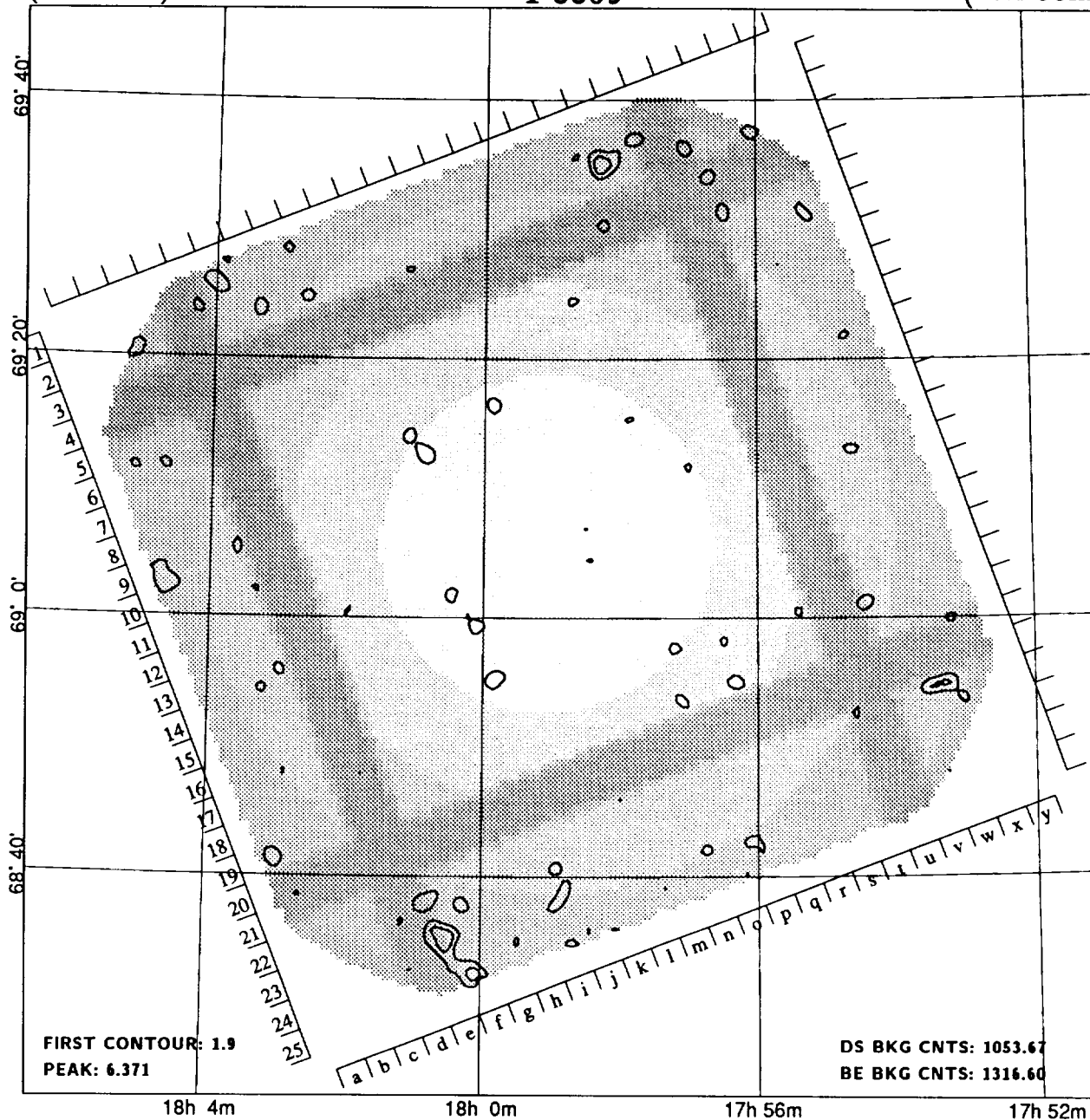
DATE: 1979/310 - 1979/310
 LIVETIME: 1381.1s
 ROLL ANGLE: 133.3°

NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 58m)

I 8809

(17h 58m)



FIRST CONTOUR: 1.9
PEAK: 6.371

DS BKG CNTS: 1053.67
BE BKG CNTS: 1316.60

GSFC NEP SURVEY - FIELD # 76 4 -2

FIELD CENTER: $17^{\text{h}}58^{\text{m}}50.8^{\text{s}}$ $69^{\circ}05'06''$ (B1950)
 $17^{\text{h}}58^{\text{m}}29.8^{\text{s}}$ $69^{\circ}05'01''$ (J2000)
 $l: 99.30$ $b: 29.91$

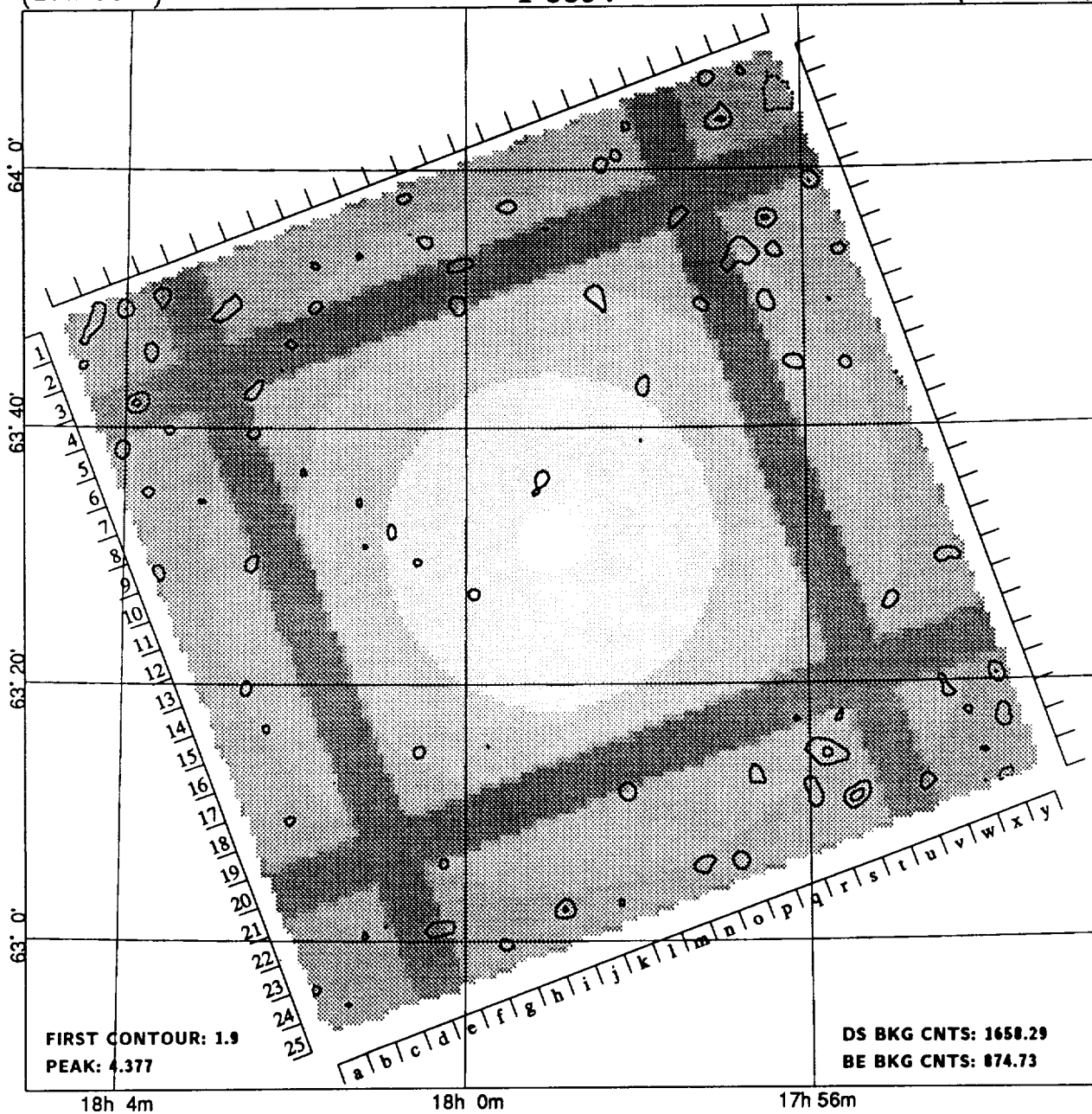
DATE: 1980/146 - 1980/146
LIVETIME: 853.8s
ROLL ANGLE: -21.0°

NH: $4.9\text{E}+20$
REF/ID:
FIELD FLAGS: L

(17h 58m)

I 8894

(17h 58m)



GSFC NEP SURVEY - FIELD # 161 -1 7

FIELD CENTER: $17^{\text{h}}58^{\text{m}}52.8^{\text{s}}$ $63^{\circ}30'45''$ (B1950)
 $17^{\text{h}}59^{\text{m}}12.5^{\text{s}}$ $63^{\circ}30'40''$ (J2000)
 $l: 92.87$ $b: 29.85$

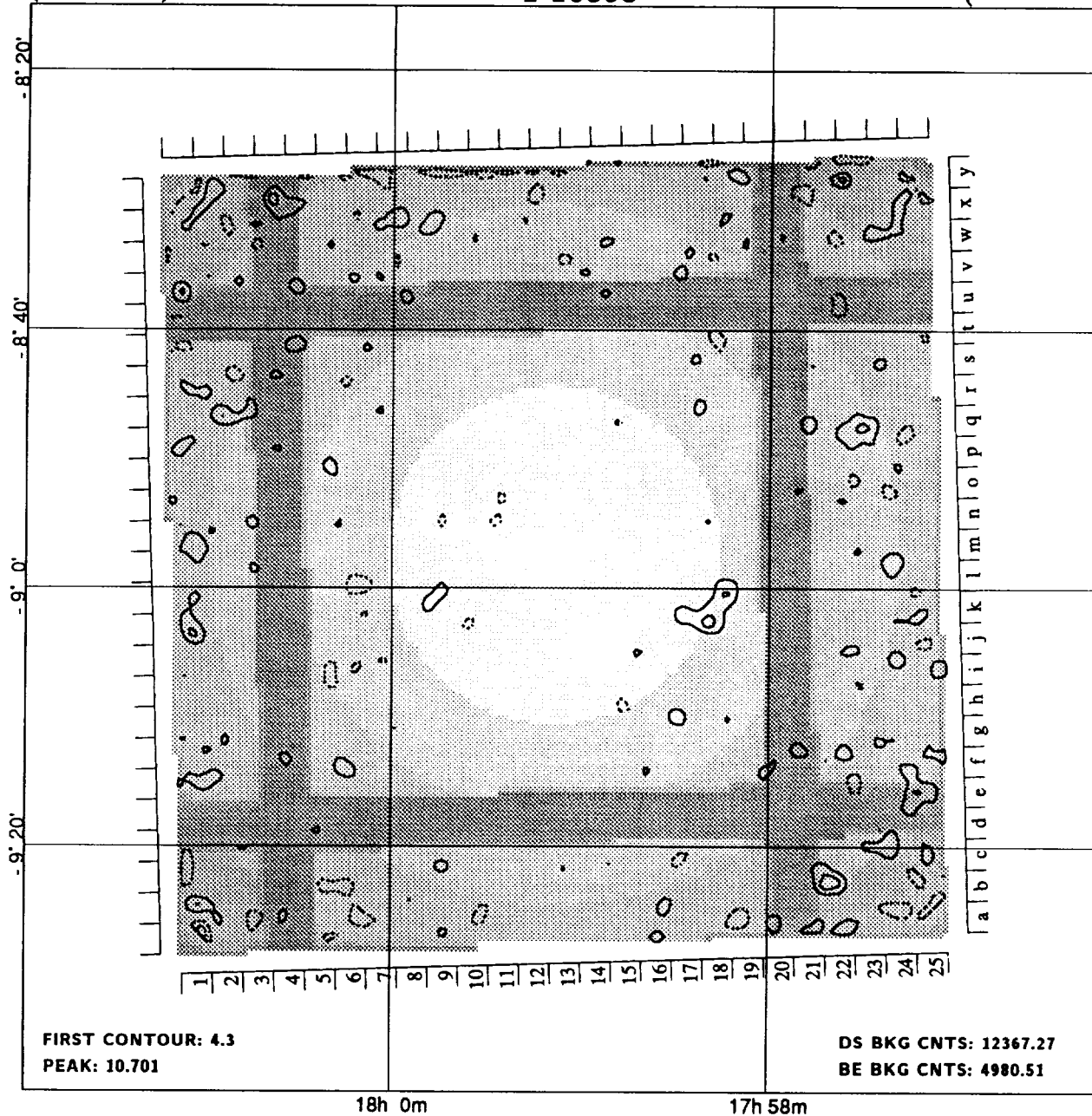
DATE: 1980/147 - 1980/147
 LIVETIME: 1343.8s
 ROLL ANGLE: -20.4°

NH: $3.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(17h 59m)

I 10593

(17h 59m)



NGC 6517 FOLLOW-UP

FIELD CENTER: $17^h 59^m 05.8^s$ $-08^\circ 56' 59''$ (B1950)
 $18^h 01^m 50.1^s$ $-08^\circ 56' 57''$ (J2000)
 $l: 19.23$ $b: 6.77$

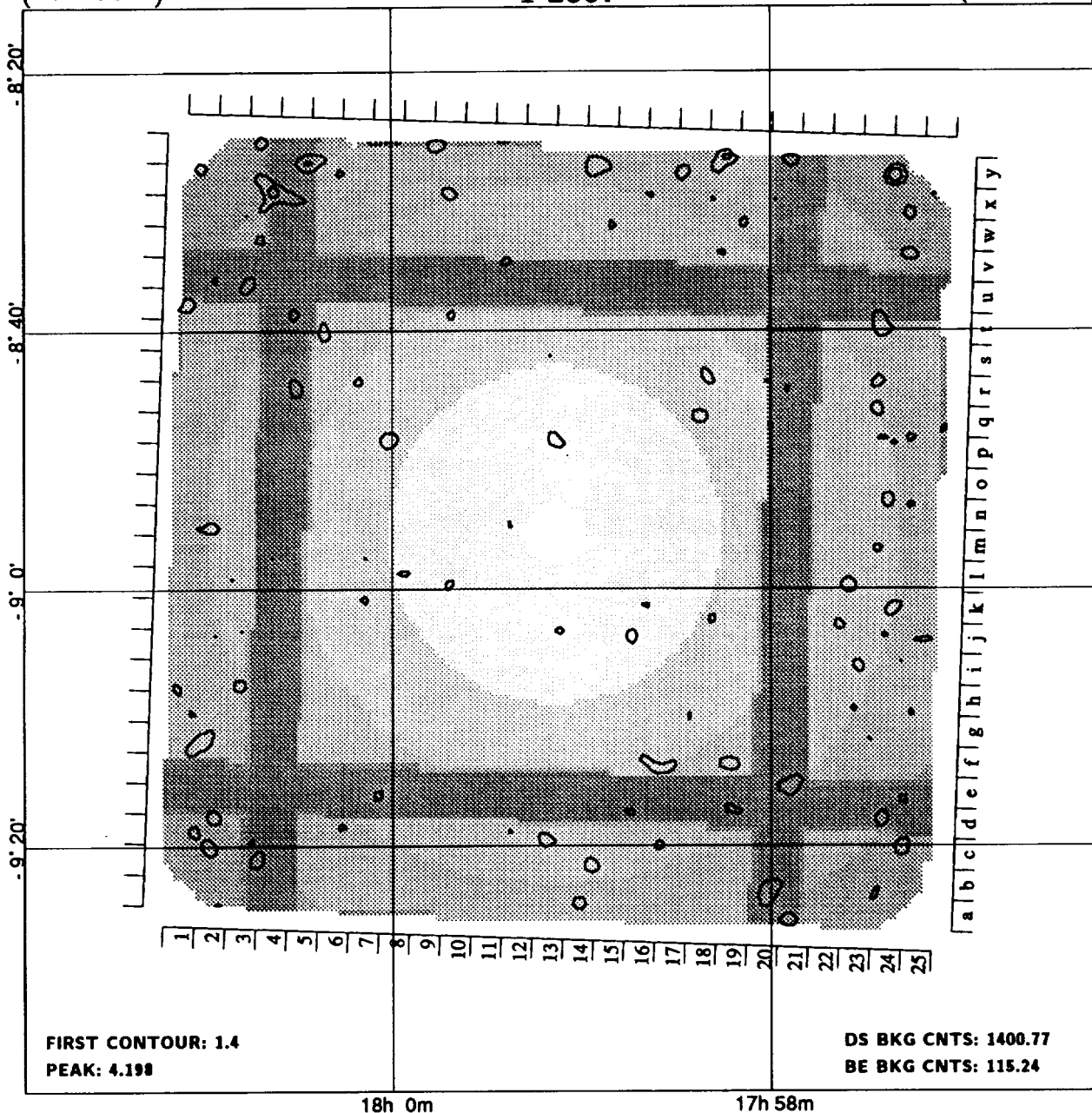
DATE: 1981/ 73 - 1981/ 73
 LIVETIME: 10021.5s
 ROLL ANGLE: -91.8°

NH: $2.8E+21$
 REF/ID:
 FIELD FLAGS: CL

(17h 59m)

I 2807

(17h 59m)



GLOBULAR CLUSTERS: NGC6517

FIELD CENTER: $17^h 59^m 05.8^s$ $-08^\circ 56' 59''$ (B1950)
 $18^h 01^m 50.1^s$ $-08^\circ 56' 57''$ (J2000)
 $l: 19.23$ $b: 6.77$

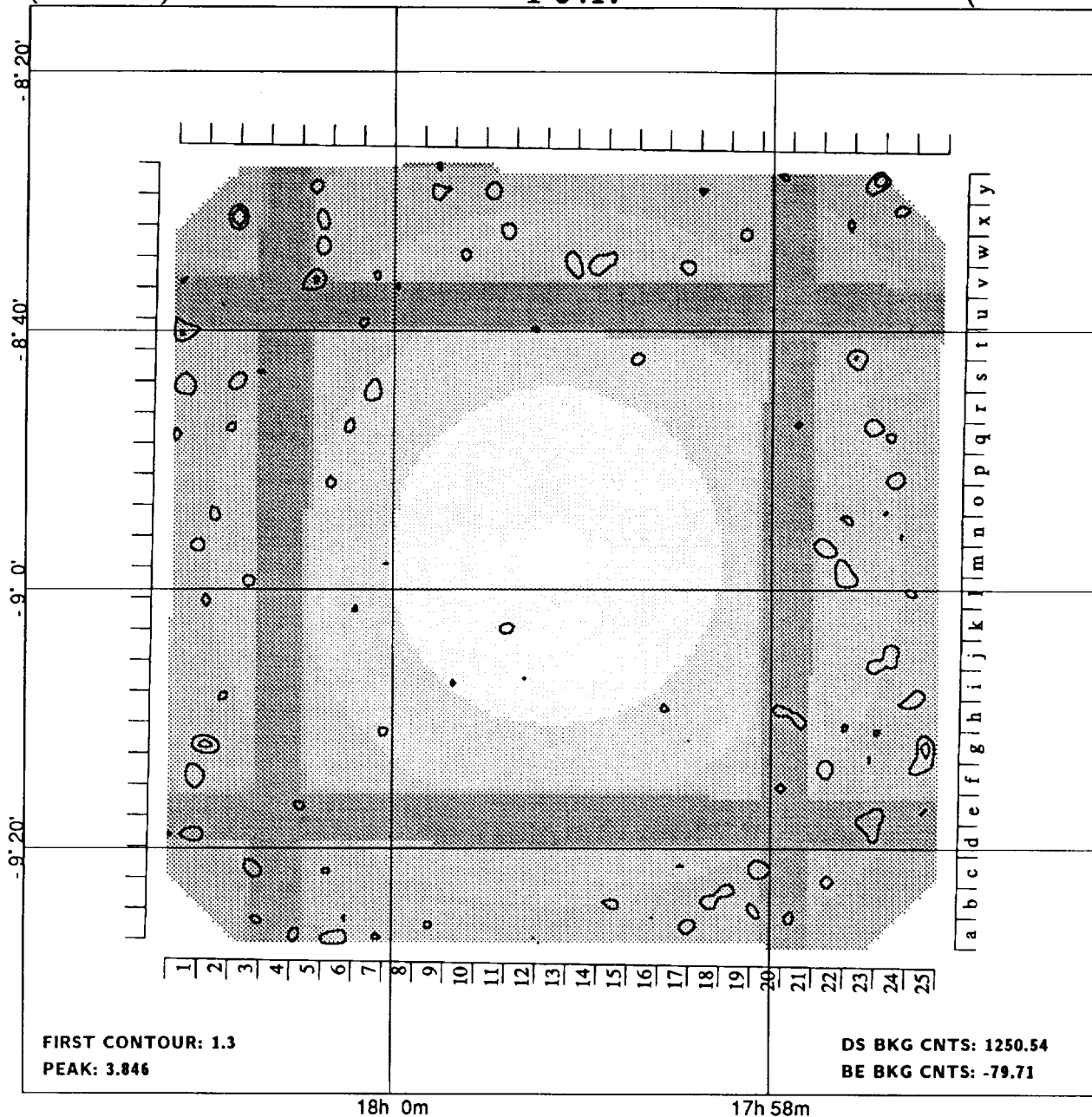
DATE: 1979/ 88 - 1979/ 88
 LIVETIME: 1135.1s
 ROLL ANGLE: -88.0°

NH: $2.0E+21$
 REF/ID:
 FIELD FLAGS: C

(17h 59m)

I 6417

(17h 59m)



NGC 6517, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $17^h 59^m 05.8^s$ $-08^\circ 56' 59''$ (B1950)
 $18^h 01^m 50.1^s$ $-08^\circ 56' 57''$ (J2000)
 $l: 19.23$ $b: 6.77$

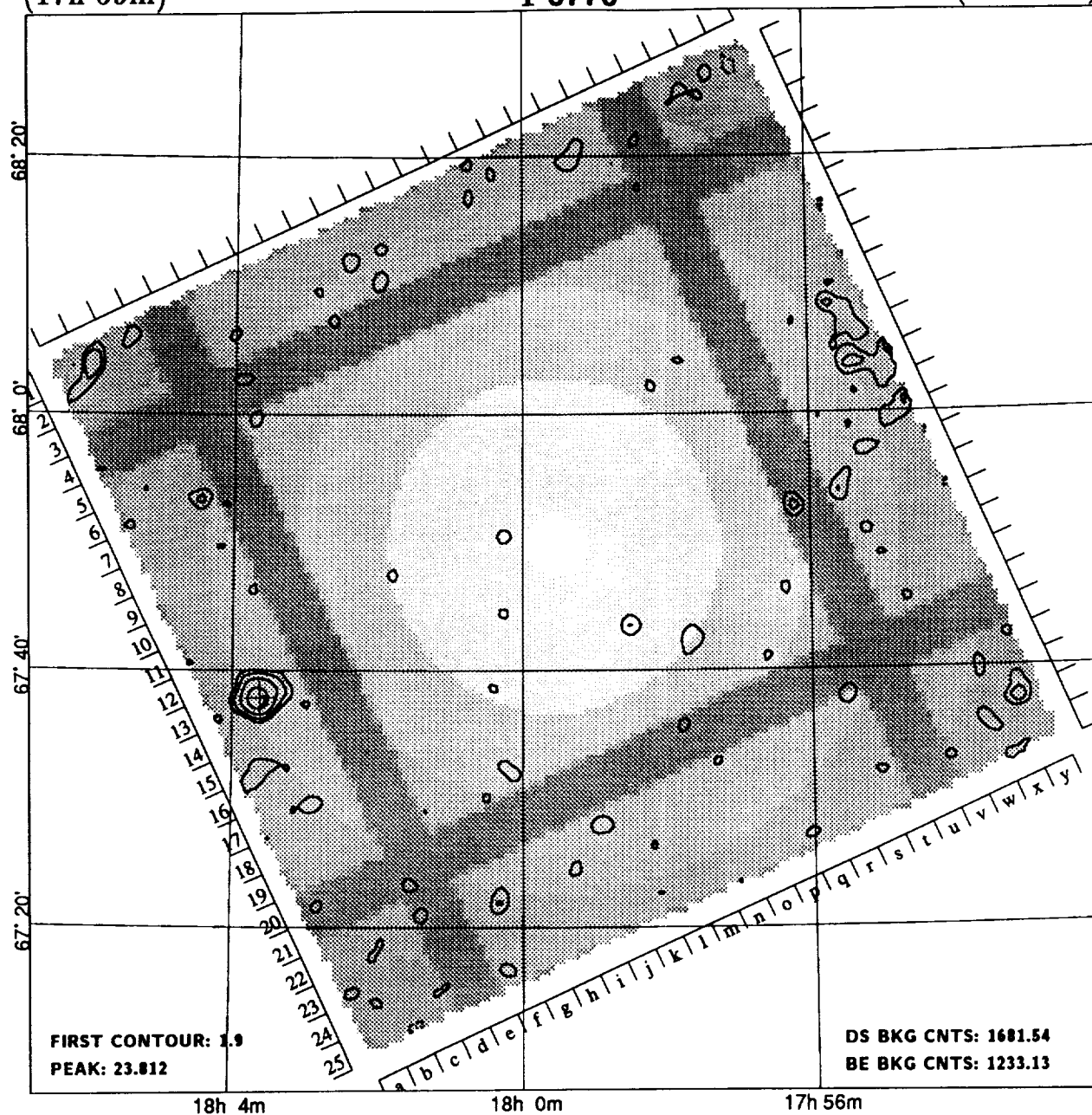
DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 1049.7s
 ROLL ANGLE: -89.3°

NH: $2.8E+21$
 REF/ID:
 FIELD FLAGS: C

(17h 59m)

I 8778

(17h 59m)



GSFC NEP SURVEY - FIELD # 45 3 -2

FIELD CENTER: $17^{\text{h}}59^{\text{m}}25.1^{\text{s}}$ $67^{\circ}49'28''$ (B1950)
 $17^{\text{h}}59^{\text{m}}15.0^{\text{s}}$ $67^{\circ}49'25''$ (J2000)
 $l: 97.84$ $b: 29.87$

DATE: 1980/147 - 1980/148
 LIVETIME: 1362.6s
 ROLL ANGLE: -24.6°

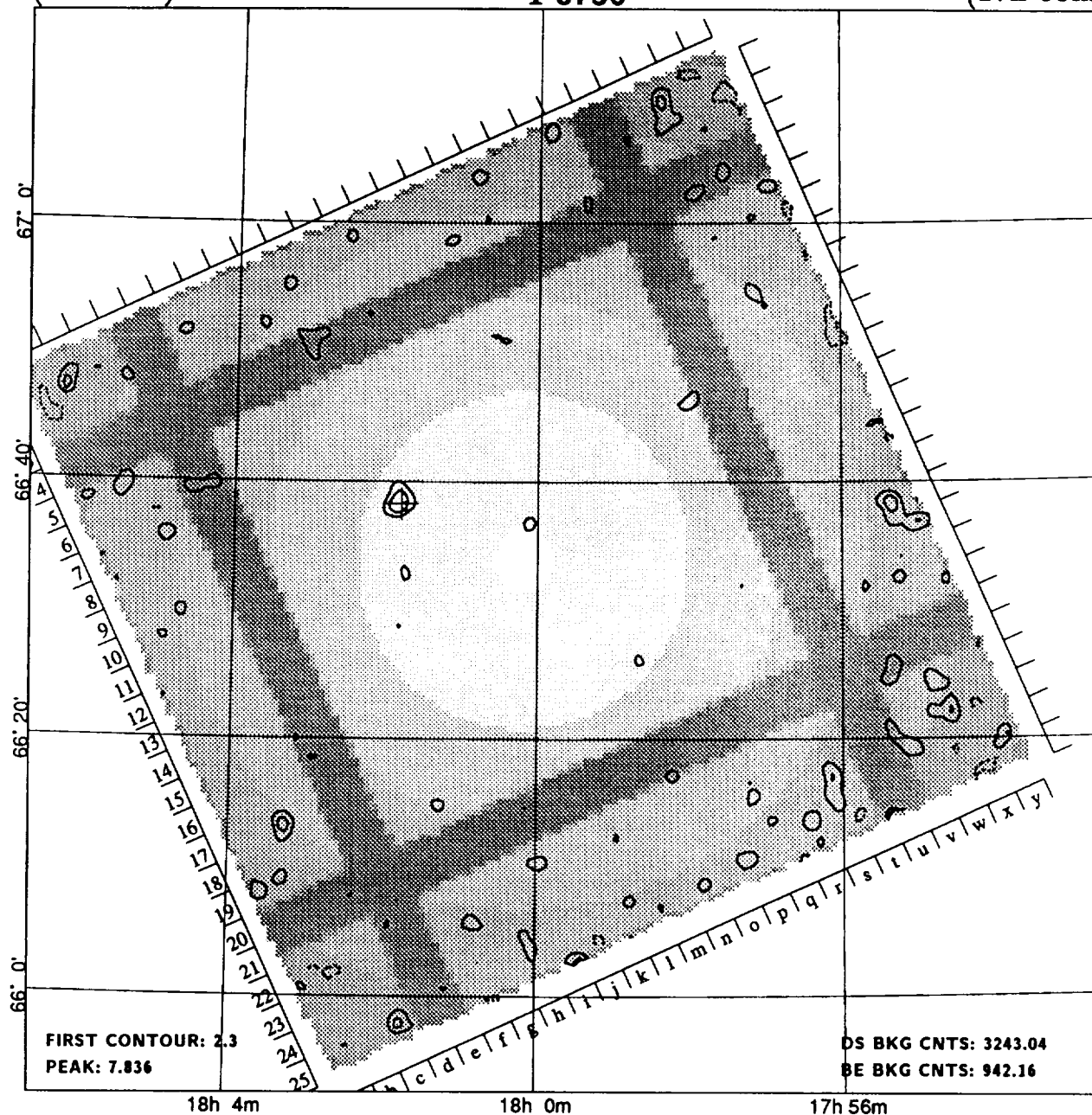
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4008	1	18 03 37.2	67 37 51	50	0.091	0.013	51.2	4.8	6.8	1.1	0	26.7	AH	AGN

(17h 59m)

I 8756

(17h 59m)



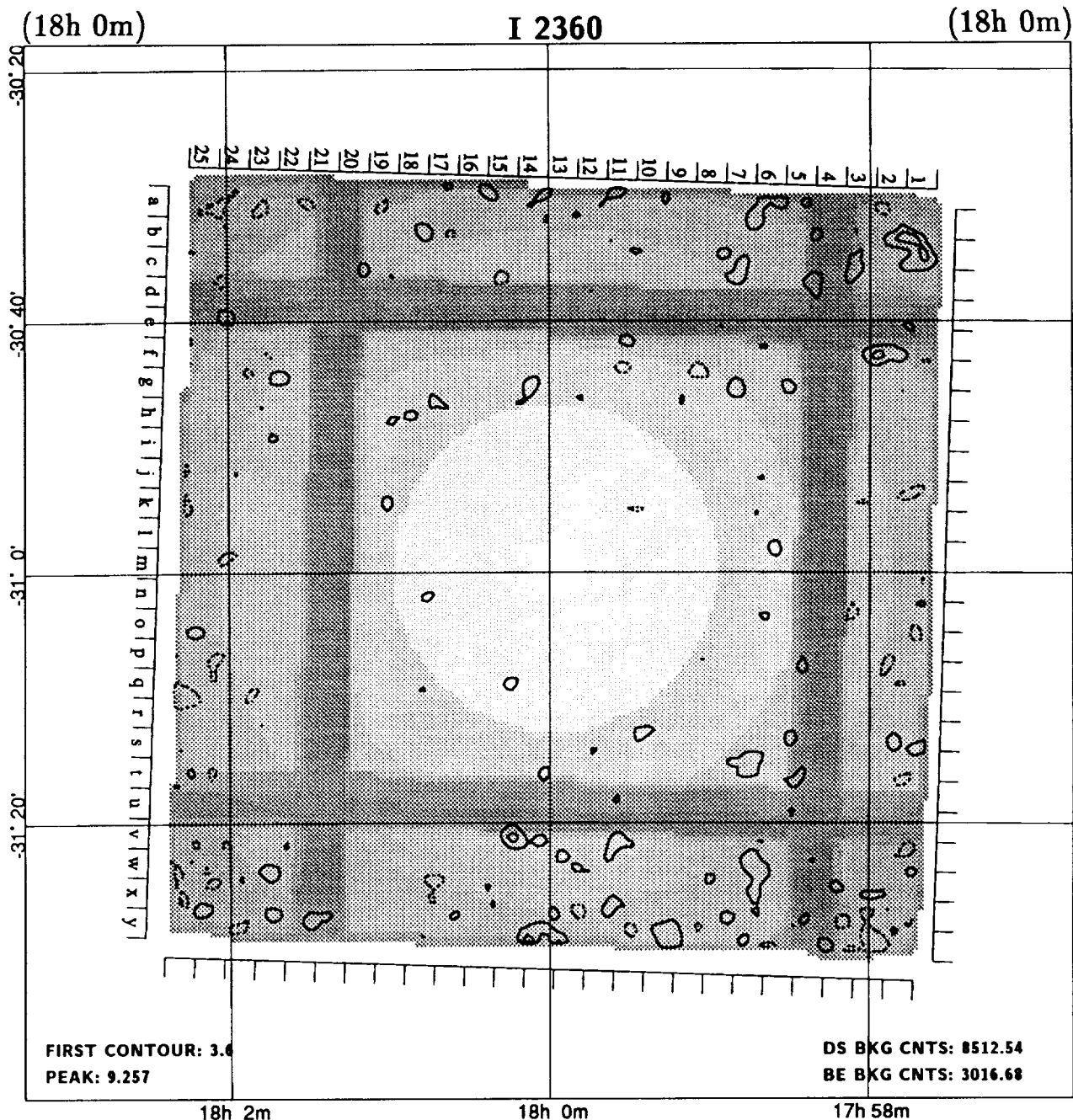
GSFC NEP SURVEY - FIELD # 23 2 -1

FIELD CENTER: $17^{\text{h}}59^{\text{m}}38.6^{\text{s}}$ $66^{\circ}34'35''$ (B1950)
 $17^{\text{h}}59^{\text{m}}38.2^{\text{s}}$ $66^{\circ}34'34''$ (J2000)
 $\ell: 96.40$ $b: 29.85$

DATE: 1980/149 - 1980/149
 LIVETIME: 2627.9s
 ROLL ANGLE: -24.6°

NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4001	1	18 01 48.2	66 38 16	43	0.0134	0.0034	23.2	10.8	4.0	0.7	0	13.6	H	



SOUTHERN HEMISPHERE SURVEY :BAADE'S WINDOW

FIELD CENTER: $18^{\text{h}}00^{\text{m}}00.0^{\text{s}}$ $-30^{\circ}59'59''$ (B1950)
 $18^{\text{h}}03^{\text{m}}13.9^{\text{s}}$ $-30^{\circ}59'52''$ (J2000)
 $l: 0.15$ $b: -4.33$

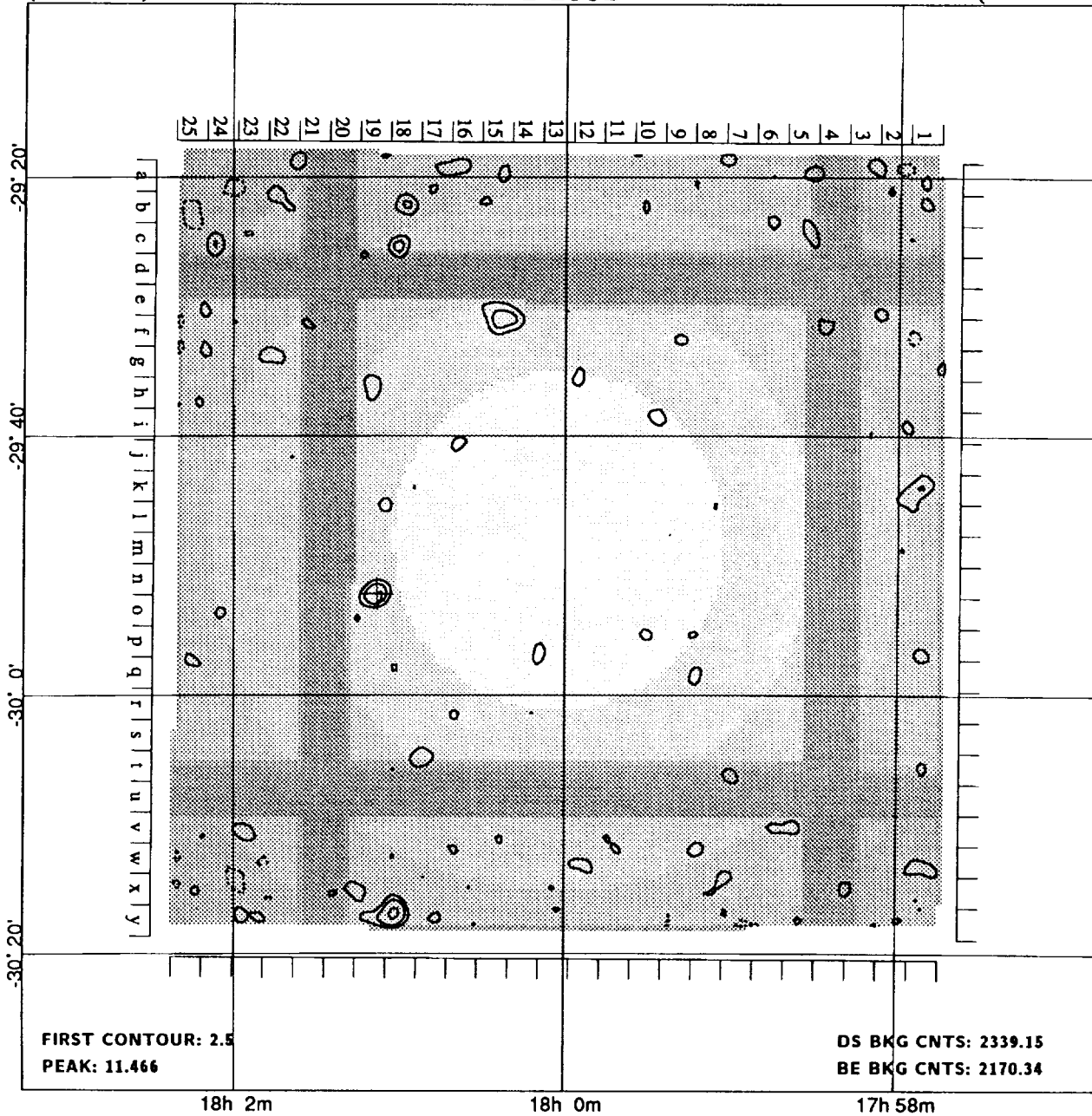
DATE: 1979/251 - 1979/252
 LIVETIME: 6897.9s
 ROLL ANGLE: 91.9°

NH: $3.0\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 0m)

I 2532

(18h 0m)



GALACTIC CENTER SURVEY

FIELD CENTER: $18^{\text{h}}00^{\text{m}}02.0^{\text{s}}$ $-29^{\circ}48'41''$ (B1950)
 $18^{\text{h}}03^{\text{m}}14.0^{\text{s}}$ $-29^{\circ}48'34''$ (J2000)
 $l: 1.19$ $b: -3.75$

DATE: 1979/264 - 1979/264
 LIVETIME: 1895.5s
 ROLL ANGLE: 90.2°

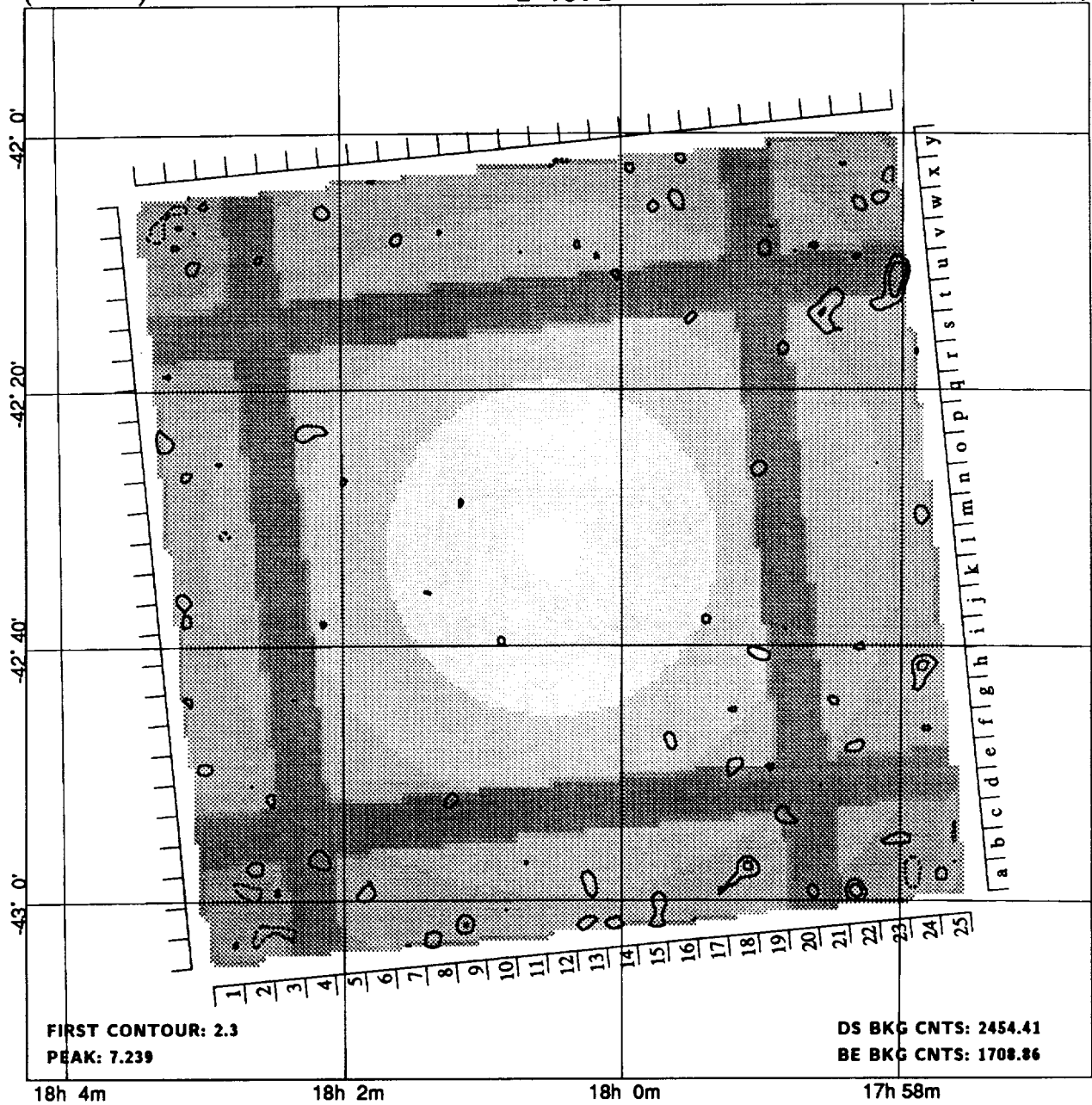
NH: $3.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4000	1L	18 01 08.2	-29 52 12	42	0.0261	0.0061	29.4	5.6	4.2	0.7	100	14.8		

(18h 0m)

I 4071

(18h 0m)



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $18^{\text{h}}00^{\text{m}}26.8^{\text{s}}$ $-42^{\circ}31'59''$ (B1950)
 $18^{\text{h}}04^{\text{m}}01.9^{\text{s}}$ $-42^{\circ}31'49''$ (J2000)
 $l: 350.01$ $b: -9.99$

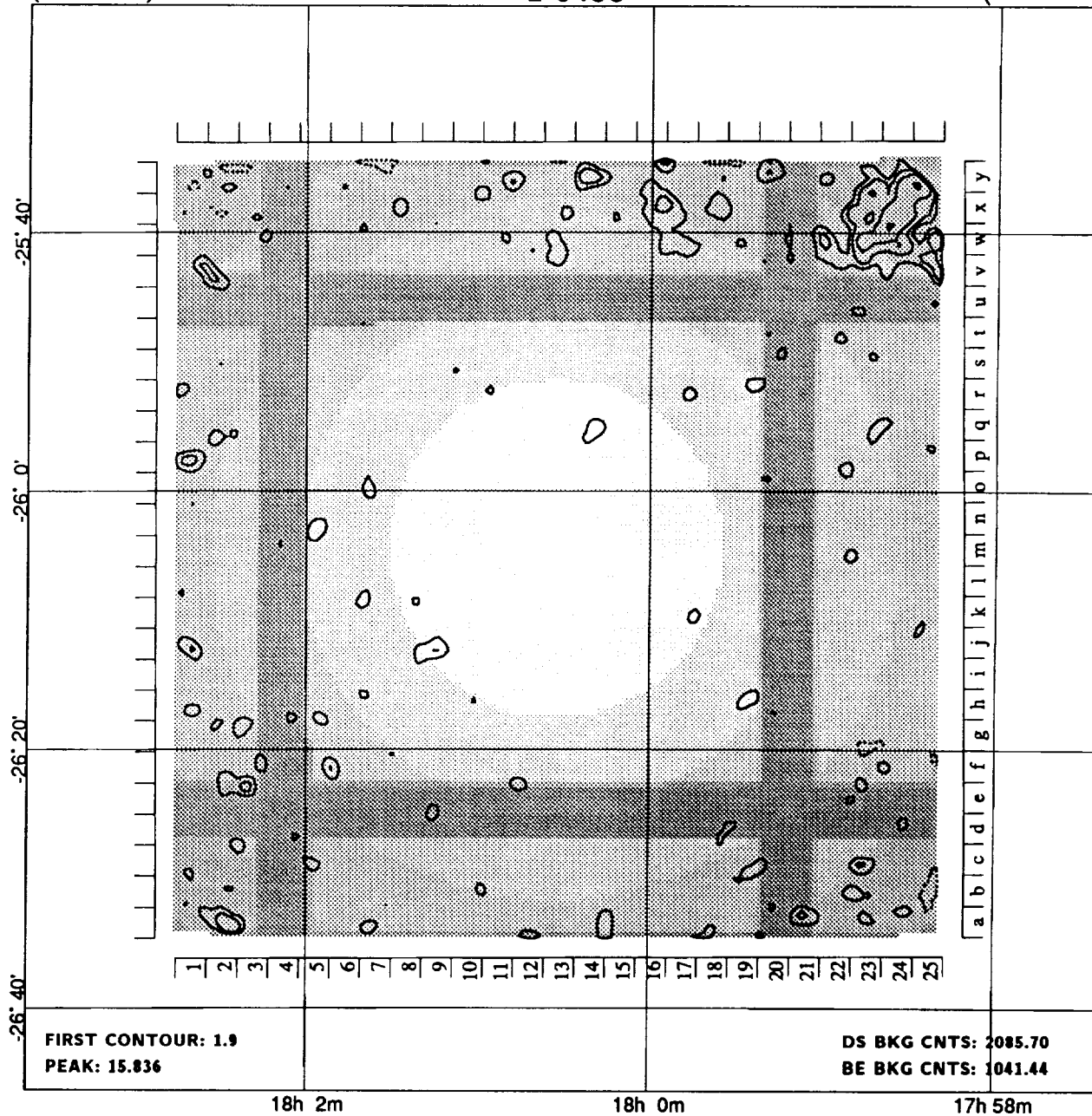
DATE: 1980/ 96 - 1980/ 96
 LIVETIME: 2060.3s
 ROLL ANGLE: -95.4°

NH: $9.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(18h 0m)

I 6438

(18h 0m)



TERZAN 10, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^h 00^m 29.8^s$ $-26^\circ 04' 29''$ (B1950)
 $18^h 03^m 36.3^s$ $-26^\circ 04' 20''$ (J2000)
 $l: 4.49$ $b: -1.99$

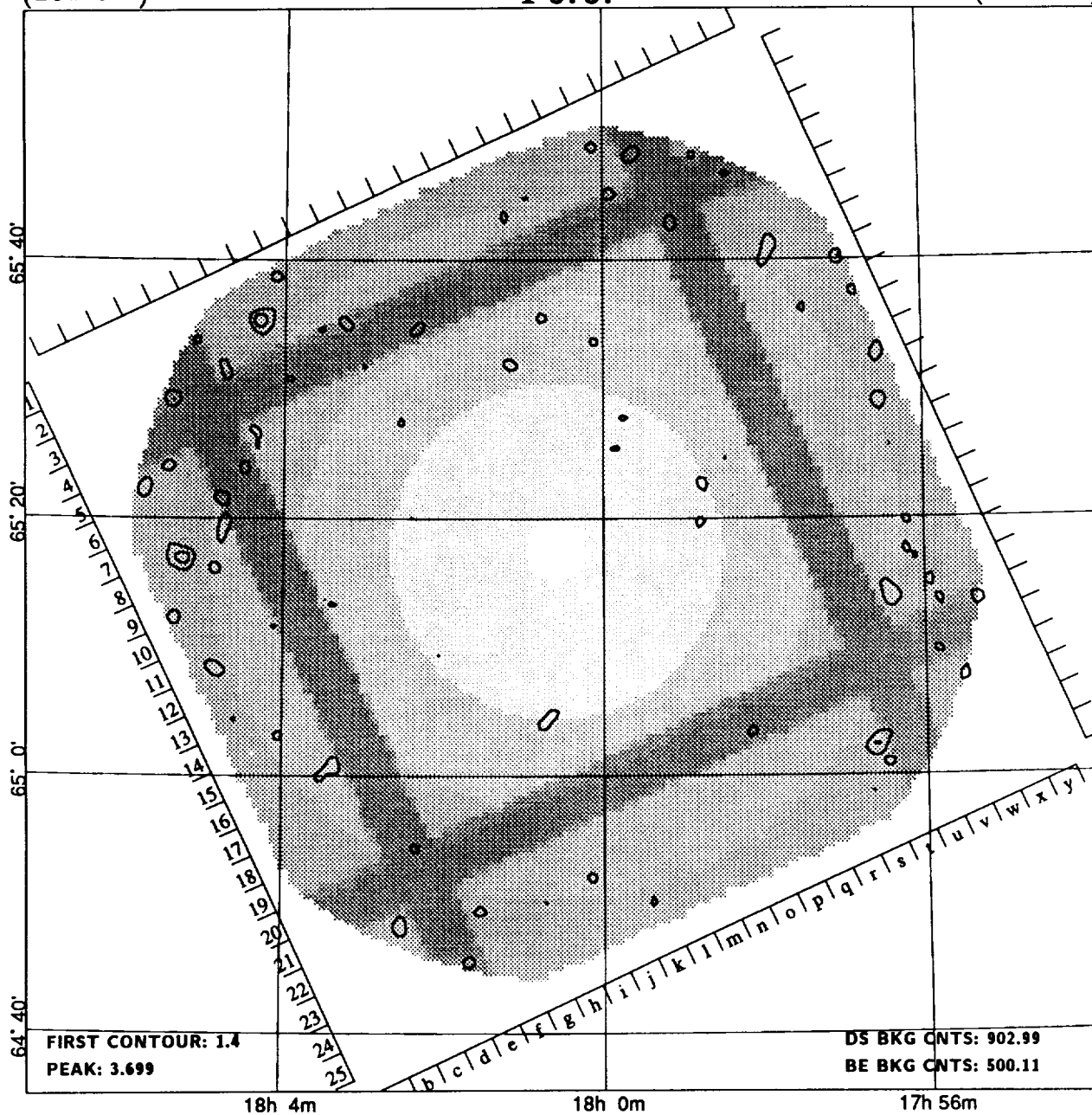
DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 1750.8s
 ROLL ANGLE: -90.2°

NH: $7.2E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 0m)

I 8737

(18h 0m)

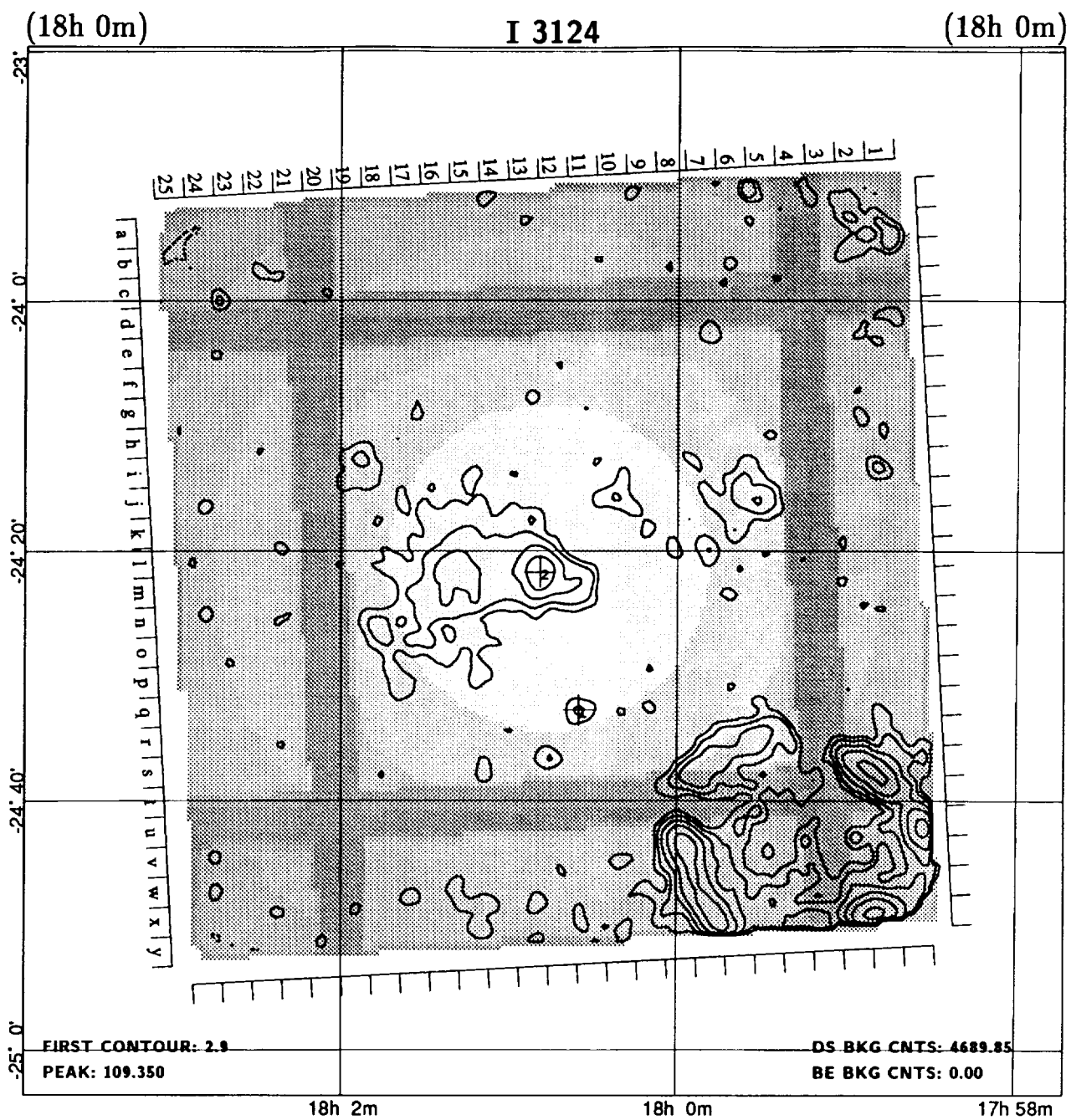


GSFC NEP SURVEY - FIELD # 4 -1 1

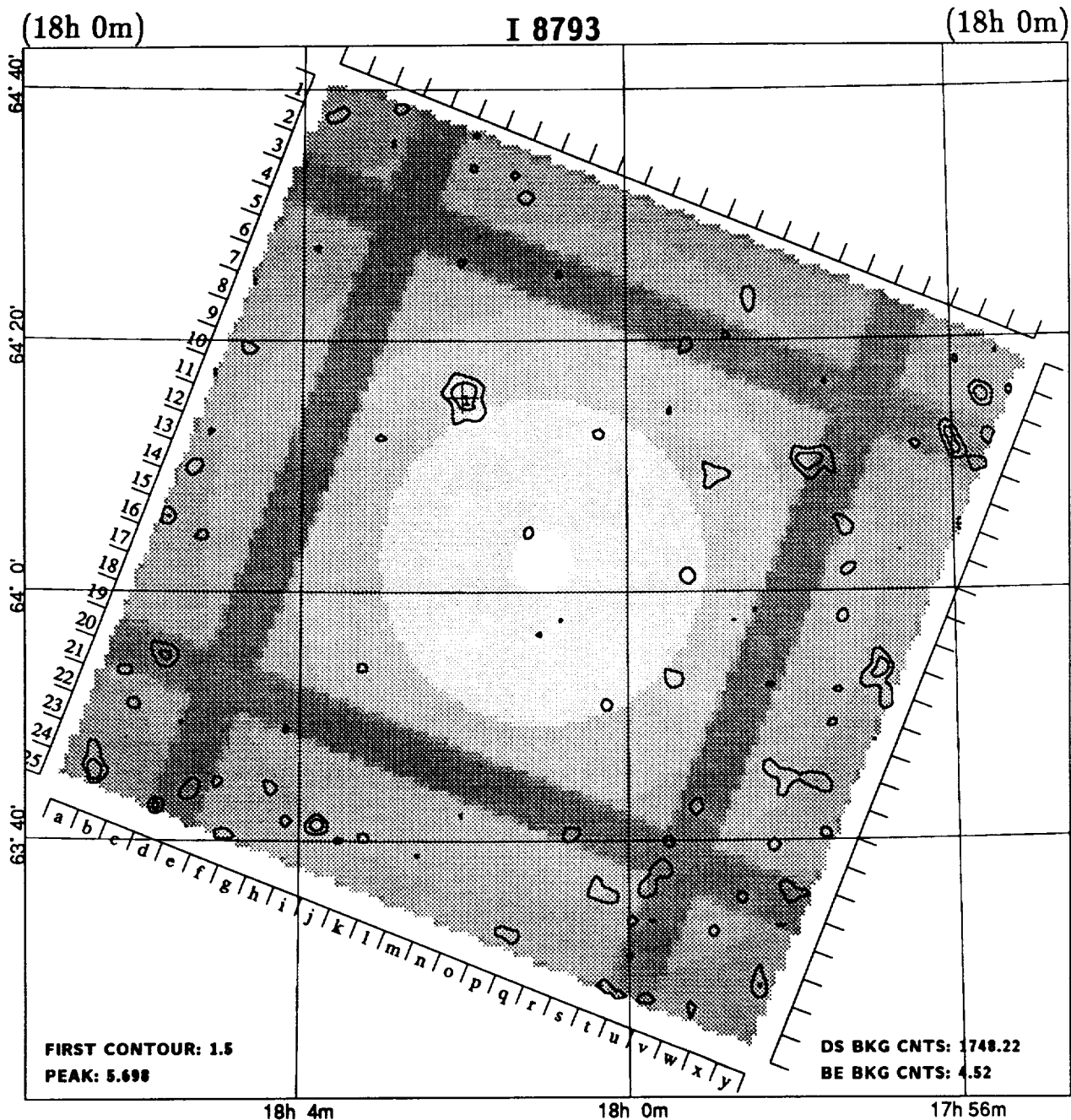
FIELD CENTER: $18^{\text{h}}00^{\text{m}}30.0^{\text{s}}$ $65^{\circ}17'38''$ (B1950)
 $18^{\text{h}}00^{\text{m}}38.5^{\text{s}}$ $65^{\circ}17'40''$ (J2000)
 $l: 94.93$ $b: 29.74$

DATE: 1980/146 - 1980/146
LIVETIME: 731.7s
ROLL ANGLE: -24.8°

NH: $3.8\text{E}+20$
REF/ID:
FIELD FLAGS:



CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3997	1L	18 00 35.0	-24 32 48	47	0.0120	0.0028	29.3	5.7	4.2	0.6	0	11.6		
3998	2L	18 00 48.9	-24 21 43	31	0.0509	0.0061	144.1	66.9	8.2	5.5	0	0.3		



GSFC NEP SURVEY - FIELD # 60 -4 2

FIELD CENTER: 18^h00^m58.7^s 64°01'38" (B1950)
18^h01^m15.3^s 64°01'43" (J2000)
ℓ: 93.47 b: 29.64

DATE: 1980/196 - 1980/196
LIVETIME: 1416.6s
ROLL ANGLE: 21.7°

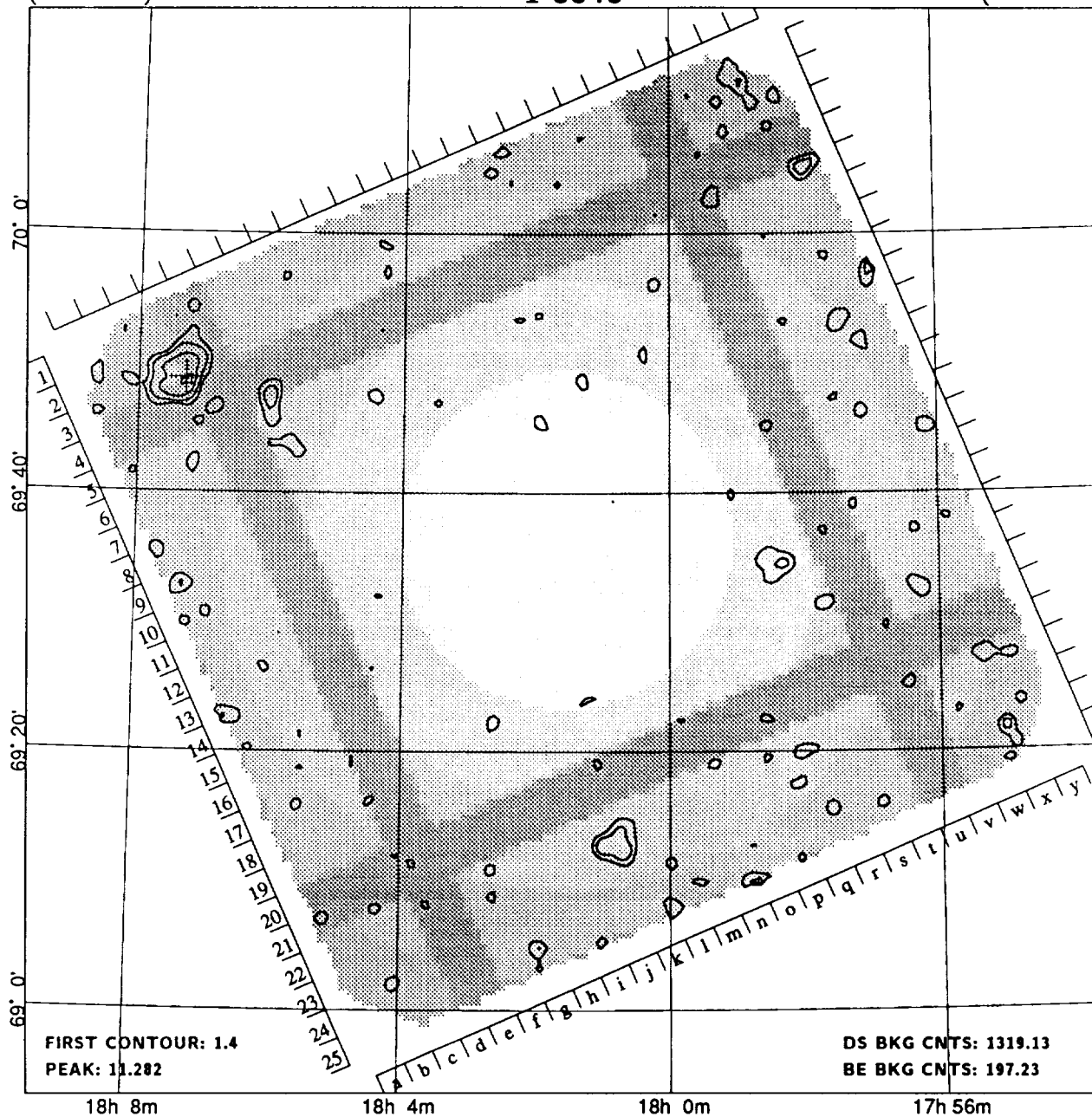
NH: 3.2E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4002	1	18 02 01.8	64 15 30	55	0.0200	0.0053	16.9	3.1	3.8	1.1	0	15.8	AH	

(18h 1m)

I 8848

(18h 1m)



FIELD CENTER: $18^{\text{h}}01^{\text{m}}34.9^{\text{s}}$ $69^{\circ}35'33''$ (B1950)
 $18^{\text{h}}01^{\text{m}}09.2^{\text{s}}$ $69^{\circ}35'39''$ (J2000)
 $l: 99.88$ $b: 29.66$

DATE: 1980/146 - 1980/146
 LIVETIME: 1068.9s
 ROLL ANGLE: -23.7°

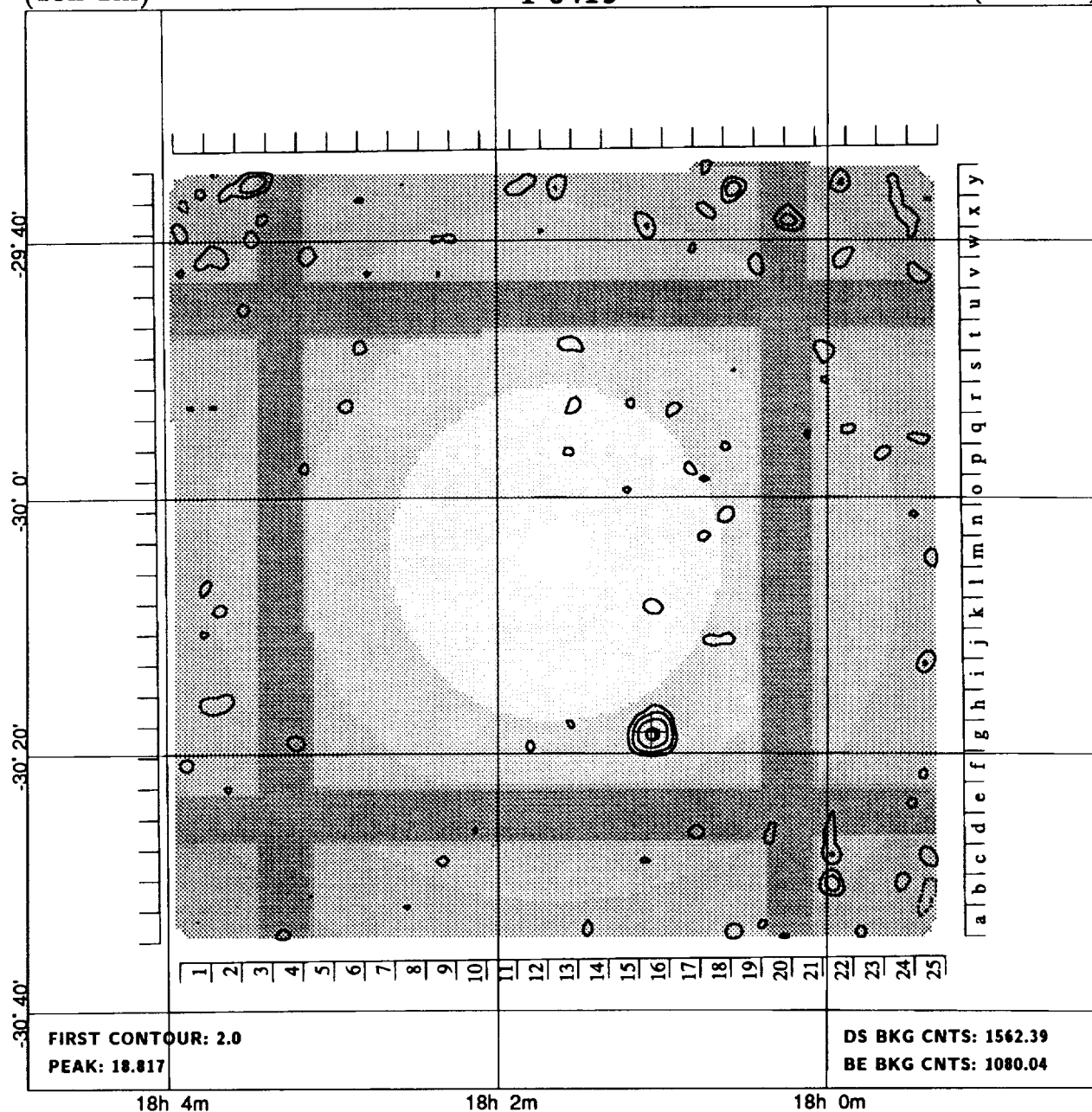
NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4023	1	18 07 17.5	69 48 47	53	*0.068	0.015	22.5	1.5	4.6	1.6	1307	32.6	AH	BL

(18h 1m)

I 6419

(18h 1m)



NGC 6528, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^{\text{h}}01^{\text{m}}35.8^{\text{s}}$ $-30^{\circ}03'59''$ (B1950)
 $18^{\text{h}}04^{\text{m}}48.3^{\text{s}}$ $-30^{\circ}03'45''$ (J2000)
 $l: 1.13$ $b: -4.17$

DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 1311.5s
 ROLL ANGLE: -90.4°

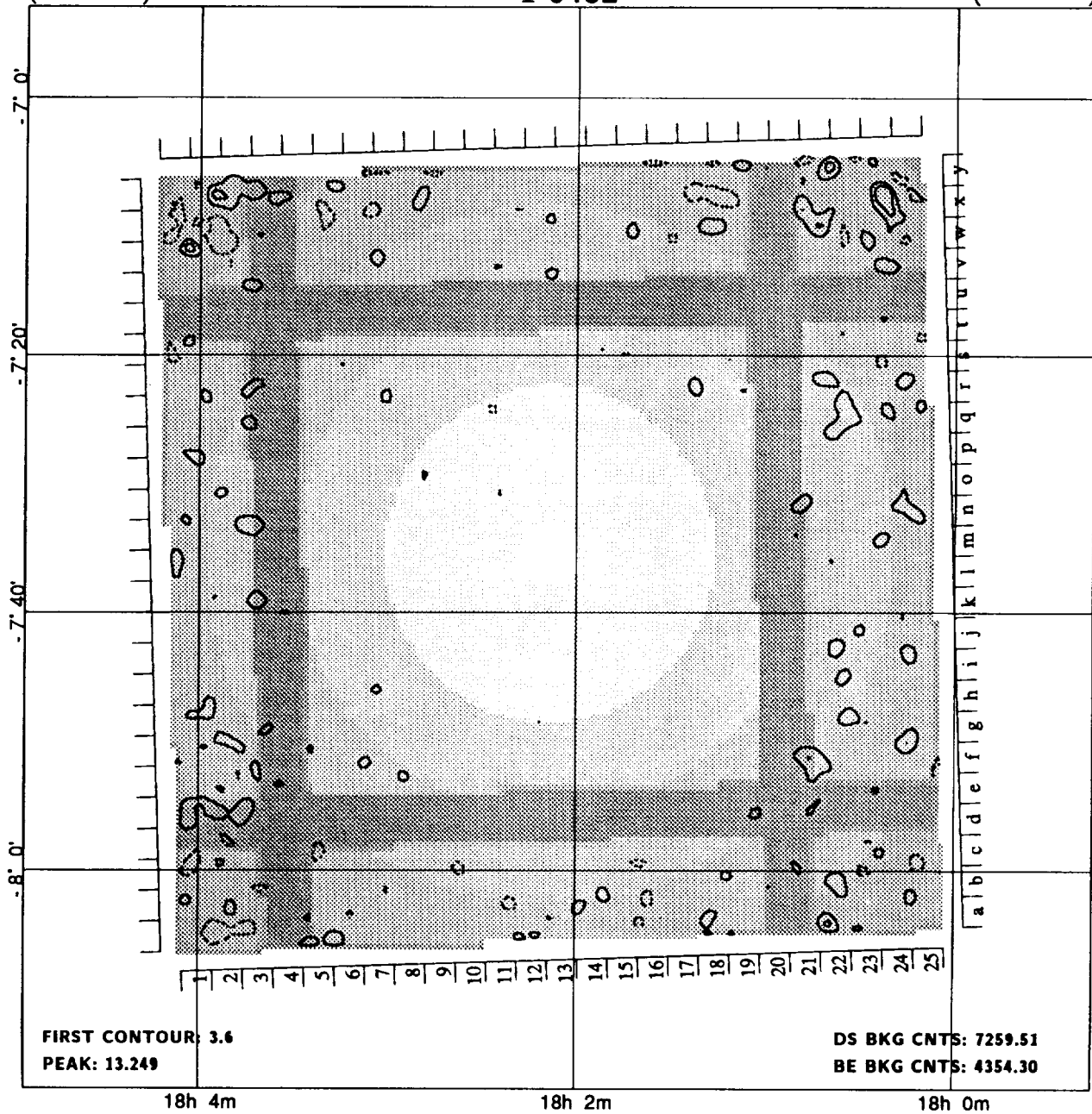
NH: $3.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
3999	1L	18 01 04.1	-30 18 20	50	0.076	0.012	57.5	7.5	6.1	1.0	0	16.1	

(18h 2m)

I 6482

(18h 2m)



NGC 6539, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^h 02^m 05.8^s$ $-07^\circ 34' 59''$ (B1950)
 $18^h 04^m 48.5^s$ $-07^\circ 34' 44''$ (J2000)
 $l: 20.80$ $b: 6.78$

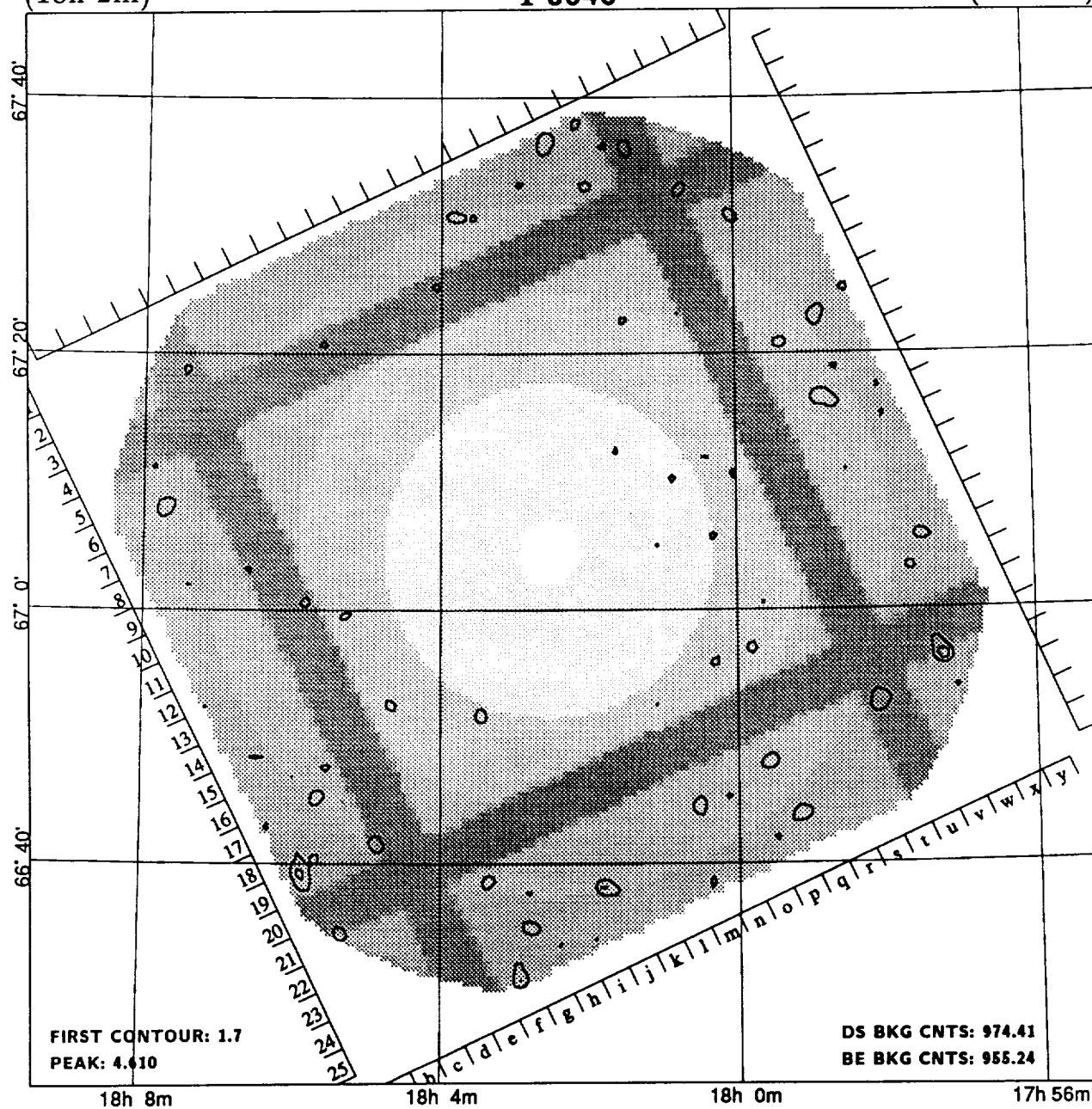
DATE: 1981/ 72 - 1981/ 73
 LIVETIME: 5882.6s
 ROLL ANGLE: -91.8°

NH: $3.0E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 2m)

I 8646

(18h 2m)



GSFC NEP SURVEY - FIELD # 152 6 -1

FIELD CENTER: $18^{\text{h}}02^{\text{m}}21.3^{\text{s}}$ $67^{\circ}04'52''$ (B1950)
 $18^{\text{h}}02^{\text{m}}17.1^{\text{s}}$ $67^{\circ}05'02''$ (J2000)
 $l: 96.99$ $b: 29.59$

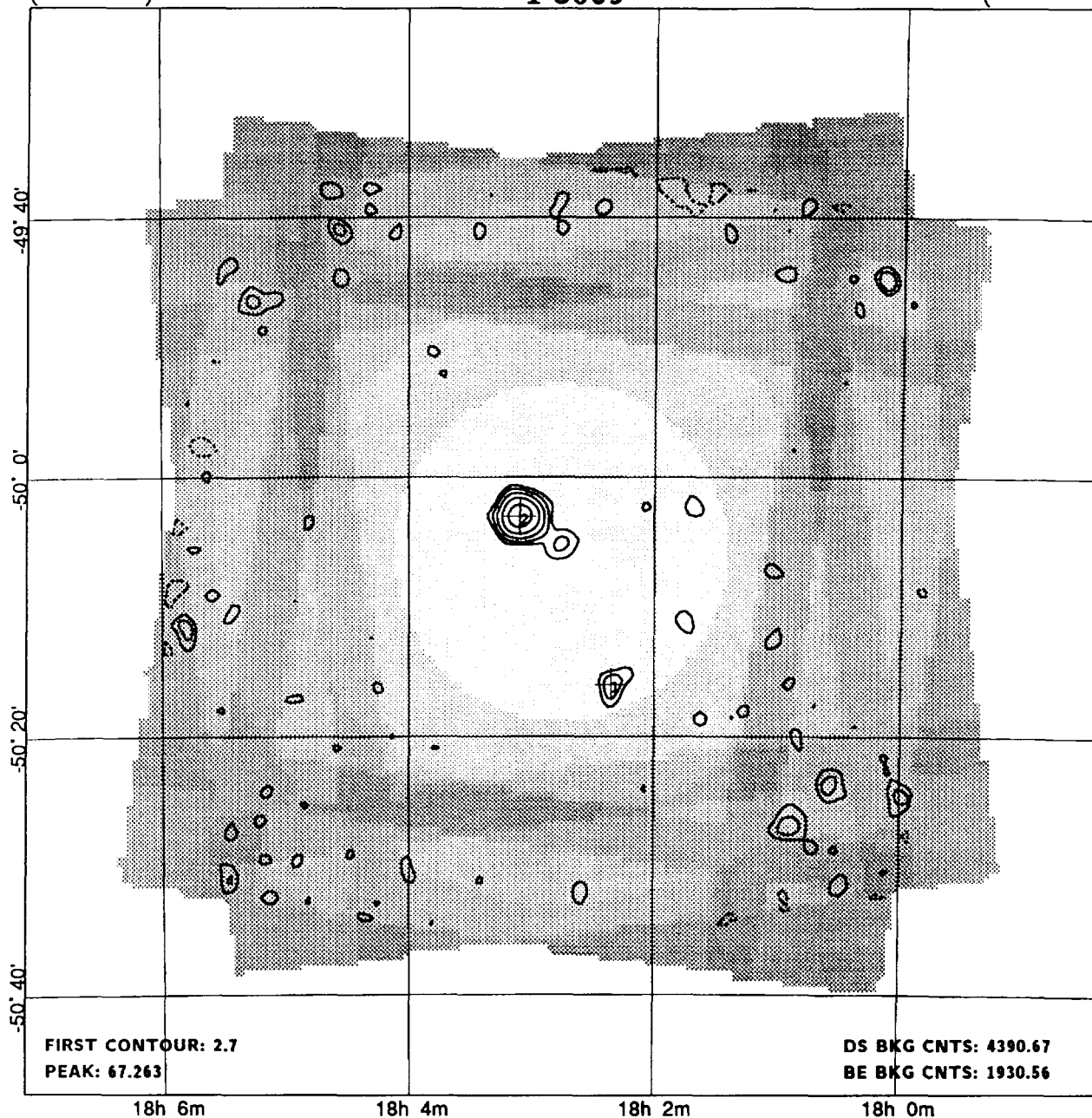
DATE: 1980/149 - 1980/149
 LIVETIME: 789.6s
 ROLL ANGLE: -25.2°

NH: $4.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 2m)

I 5069

(18h 2m)



THETA ARA, LUMINOUS EARLY-TYPE STAR

FIELD CENTER: $18^{\text{h}}02^{\text{m}}44.0^{\text{s}}$ $-50^{\circ}05'48''$ (B1950)
 $18^{\text{h}}06^{\text{m}}37.6^{\text{s}}$ $-50^{\circ}05'28''$ (J2000)
 $l: 343.33$ $b: -13.82$

DATE: 1979/284 - 1980/ 70
 LIVETIME: 3557.9s

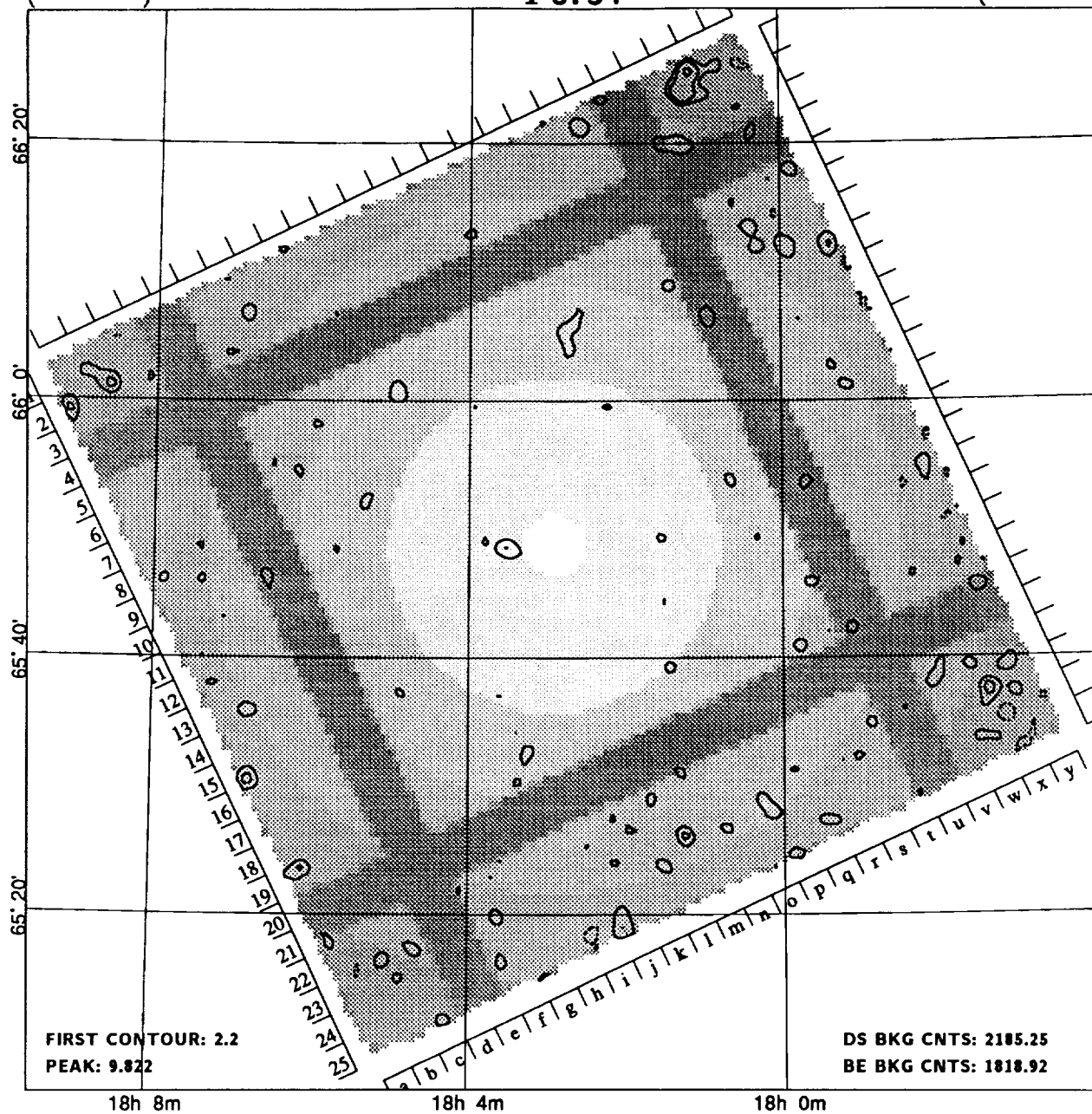
NH: $8.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4003	1L	18 02 21.0	-50 16 00	42	0.0127	0.0033	29.6	12.4	3.7	0.8	0	10.7		
4005	2L	18 03 05.7	-50 03 02	31	0.1093	0.0078	281.2	30.8	14.0	1.2	0	4.4		S

(18h 2m)

I 8734

(18h 2m)



GSFC NEP SURVEY - FIELD # 100

FIELD CENTER: $18^h 02^m 47.0^s$ $65^\circ 48' 29''$ (B1950)
 $18^h 02^m 52.0^s$ $65^\circ 48' 42''$ (J2000)
 $l: 95.53$ $b: 29.52$

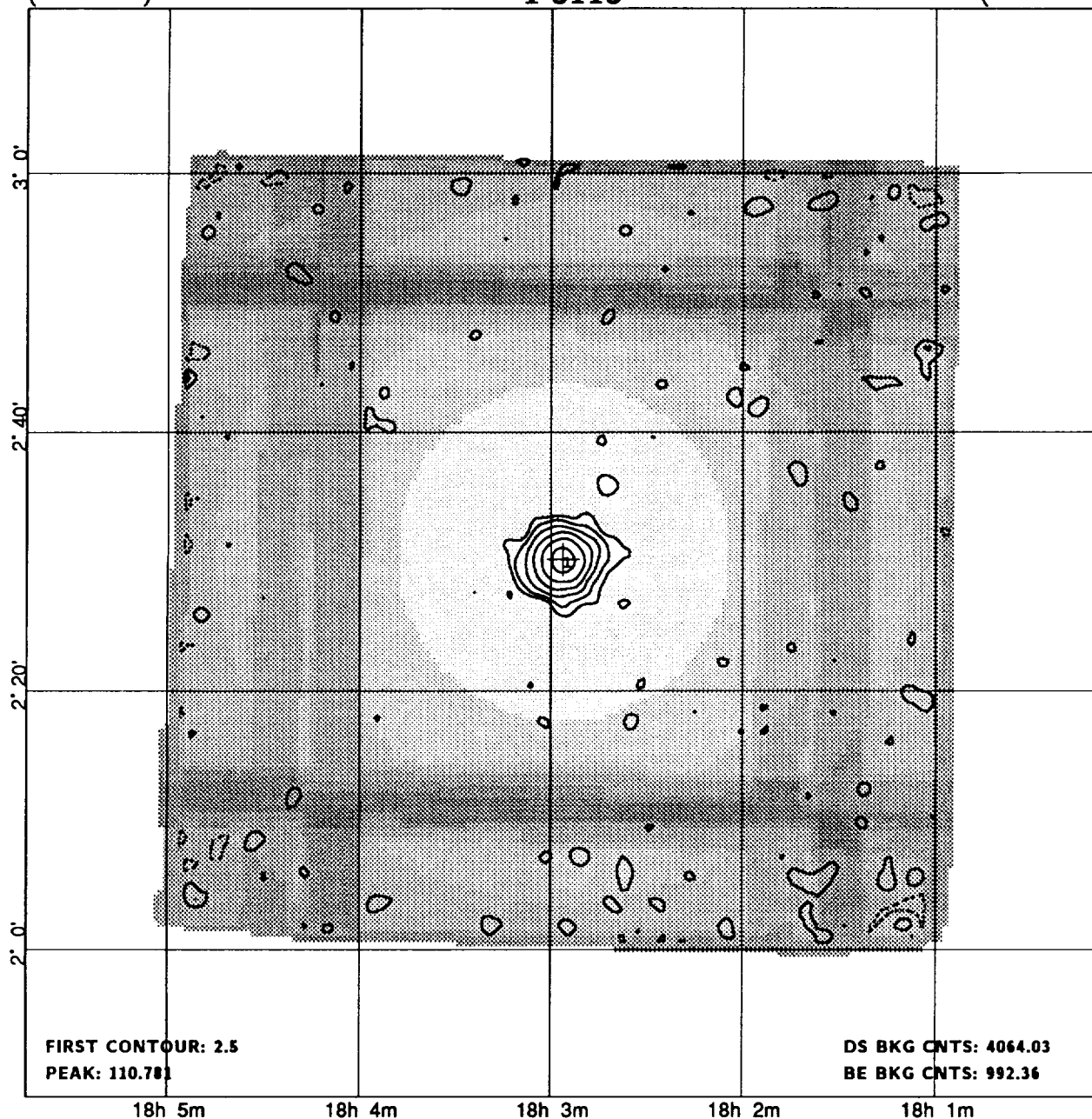
DATE: 1980/147 - 1980/147
 LIVETIME: 1770.8s
 ROLL ANGLE: -25.3°

NH: $4.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 2m)

I 3113

(18h 2m)



COHERENT SAMPLING OF NEARBY STARS: 70 OPH A/B

FIELD CENTER: $18^{\text{h}}02^{\text{m}}55.9^{\text{s}}$ $02^{\circ}30'35''$ (B1950)

DATE: 1979/ 85 - 1979/268

NH: $1.3\text{E}+21$ $18^{\text{h}}05^{\text{m}}26.7^{\text{s}}$ $02^{\circ}30'54''$ (J2000)

LIVETIME: 3293.2s

REF/ID:

 $l: 29.91$ $b: 11.38$

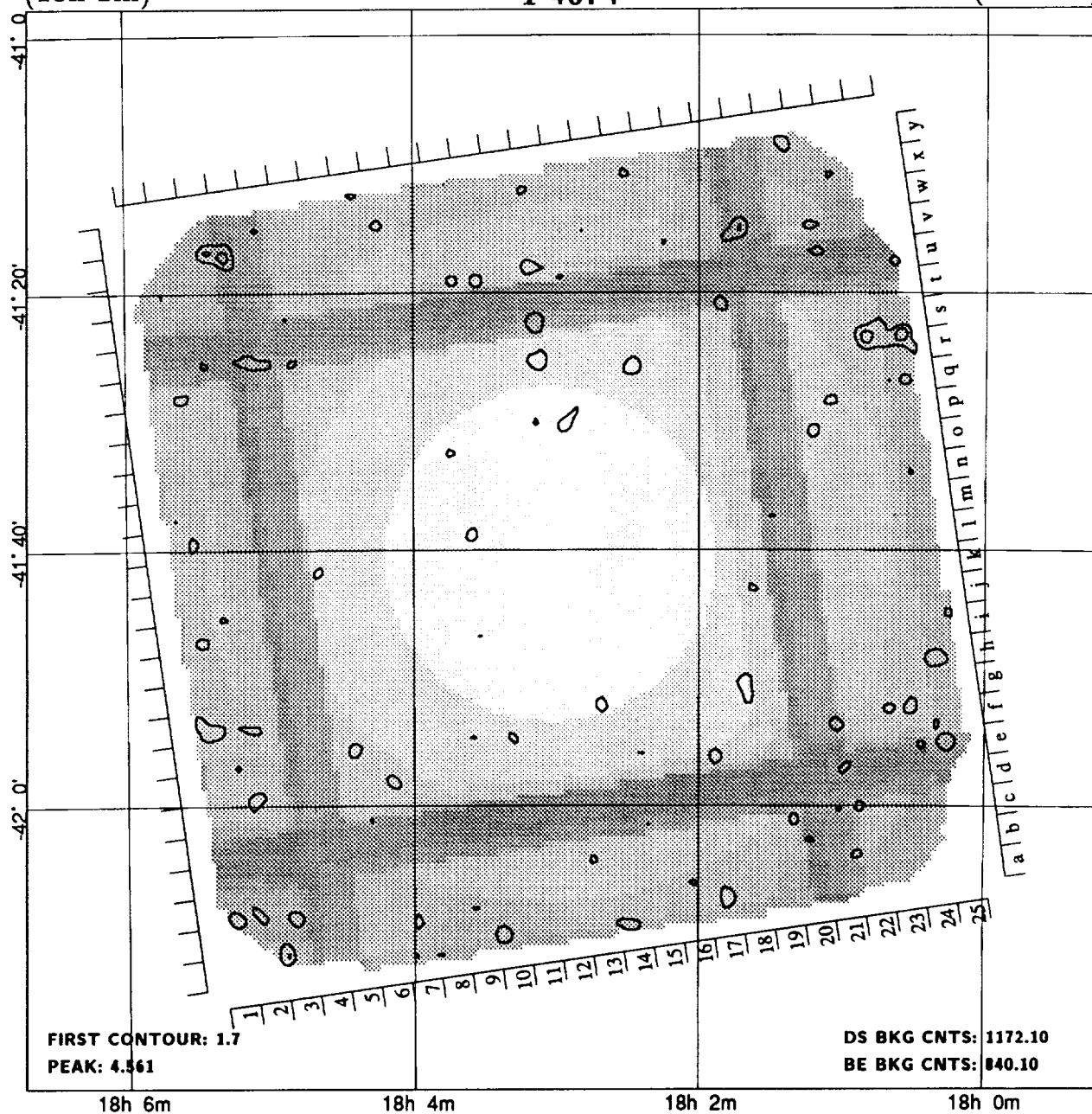
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4004	1	18 02 56.3	02 30 08	31	0.2208	0.0096	542.6	13.4	23.0	1.8	0	0.4	H	S

(18h 2m)

I 4074

(18h 2m)



FIELD CENTER: $18^{\text{h}}02^{\text{m}}56.8^{\text{s}}$ $-41^{\circ}39'59''$ (B1950)
 $18^{\text{h}}06^{\text{m}}30.0^{\text{s}}$ $-41^{\circ}39'39''$ (J2000)
 $l: 351.01$ $b: -9.99$

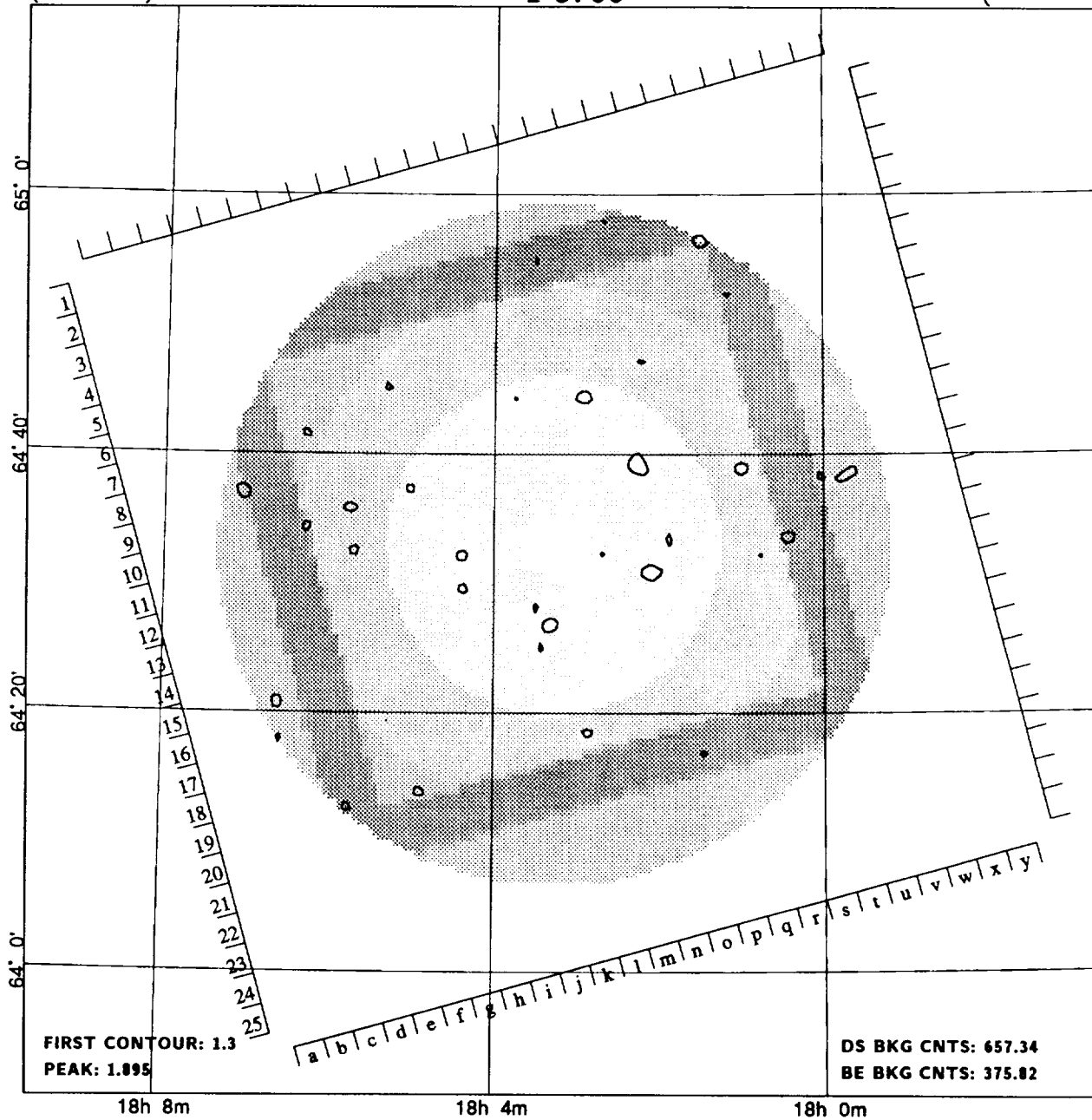
DATE: 1980/ 96 - 1980/ 96
 LIVETIME: 983.9s
 ROLL ANGLE: -98.1°

NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 3m)

I 8766

(18h 3m)



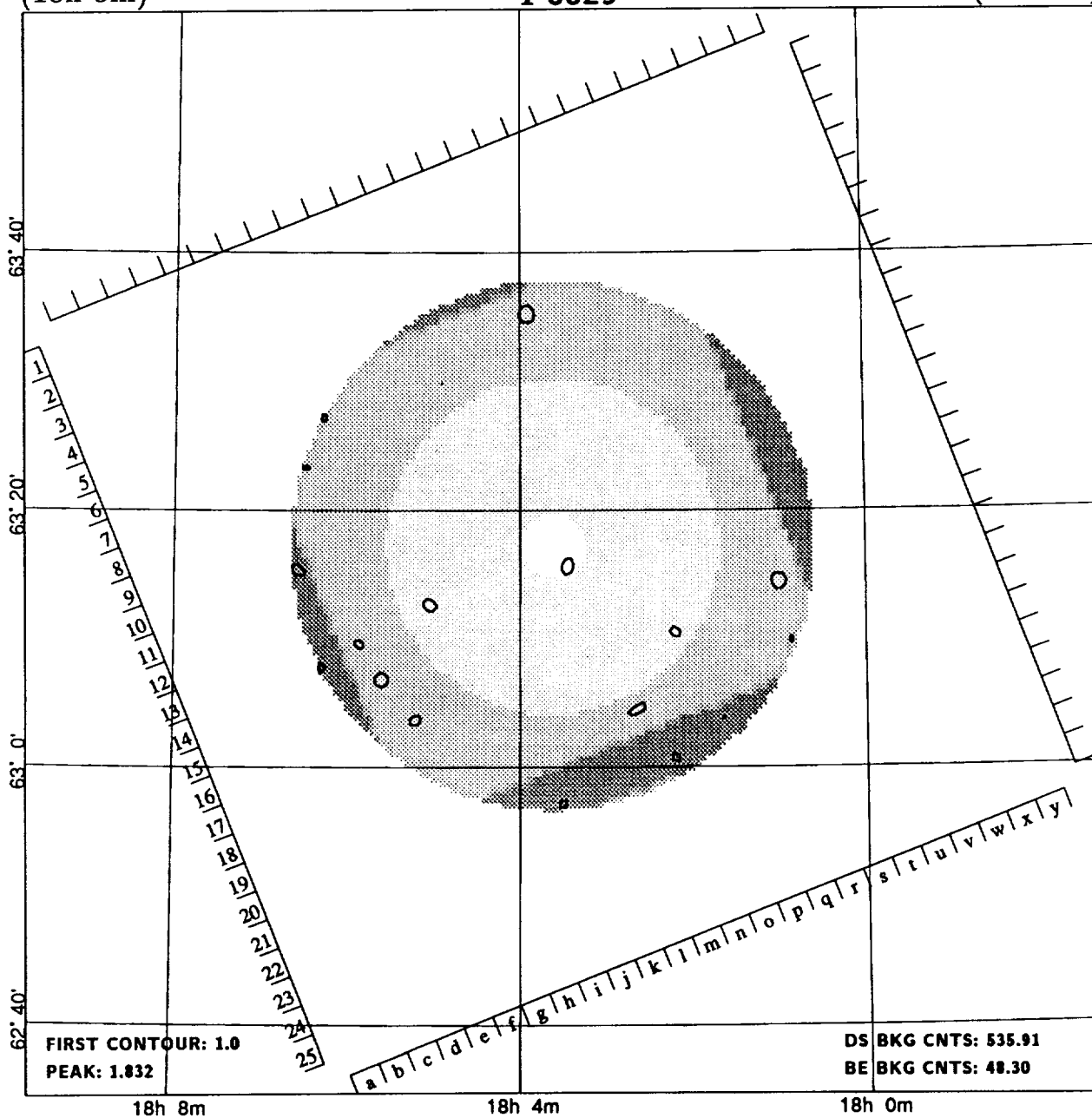
GSFC NEP SURVEY - FIELD # 33 -3 2

FIELD CENTER: $18^h 03^m 09.3^s$ $64^\circ 32' 29''$ (B1950)
 $18^h 03^m 22.7^s$ $64^\circ 32' 43''$ (J2000)
 ℓ : 94.07 b : 29.43

DATE: 1980/146 - 1980/146
 LIVETIME: 532.7s
 ROLL ANGLE: -15.5°

NH: $3.5E+20$
 REF/ID:
 FIELD FLAGS:

(18h 3m)



GSFC NEP SURVEY - FIELD # 96 -5 1

FIELD CENTER: $18^h 03^m 30.0^s$ $63^\circ 16' 50''$ (B1950)
 $18^h 03^m 51.0^s$ $63^\circ 17' 07''$ (J2000)
 ℓ : 92.63 b : 29.33

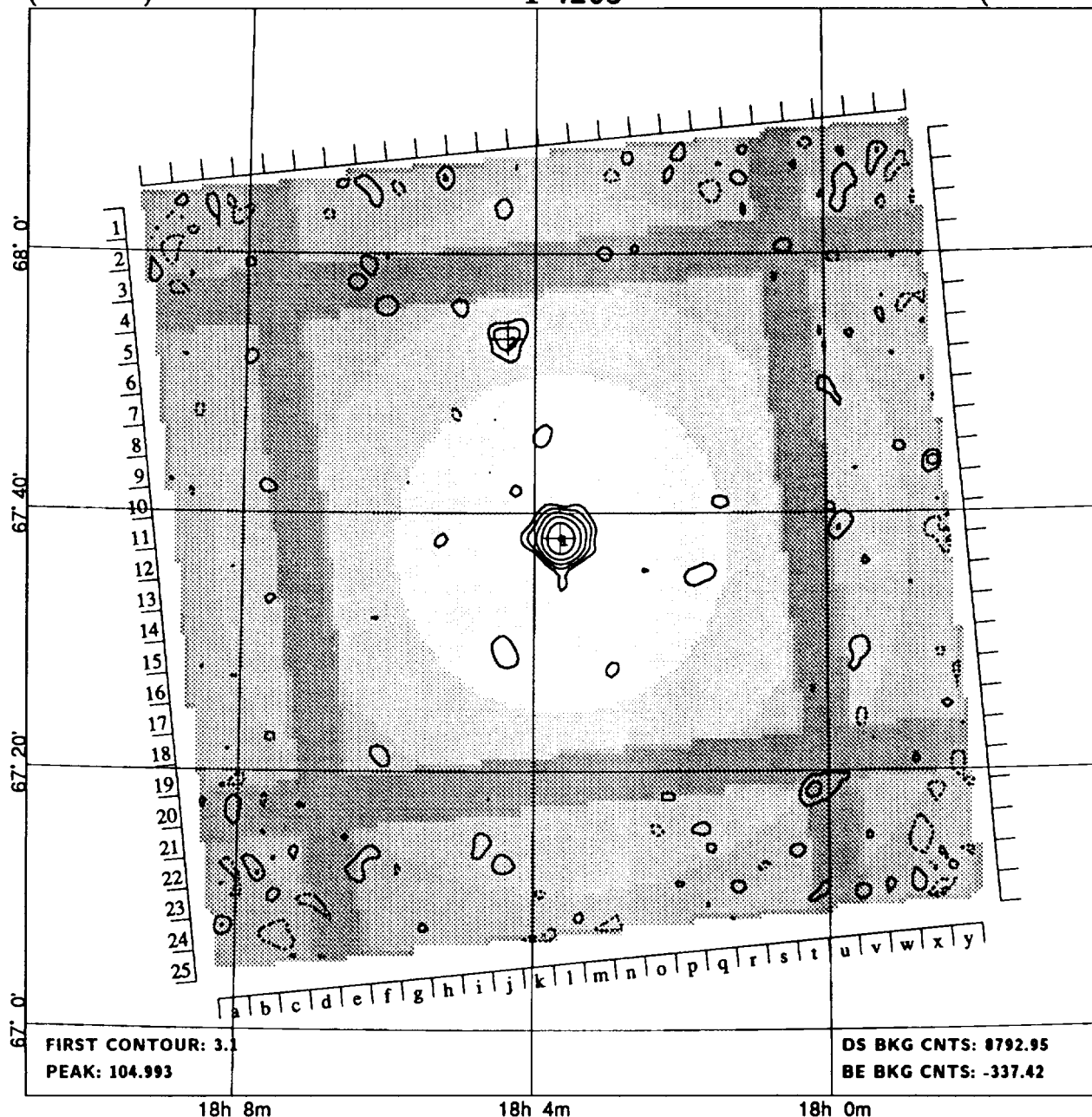
DATE: 1980/147 - 1980/147
LIVETIME: 434.3s
ROLL ANGLE: -21.5°

NH: 3.4E+20
REF/ID:
FIELD FLAGS:

(18h 3m)

I 4265

(18h 3m)



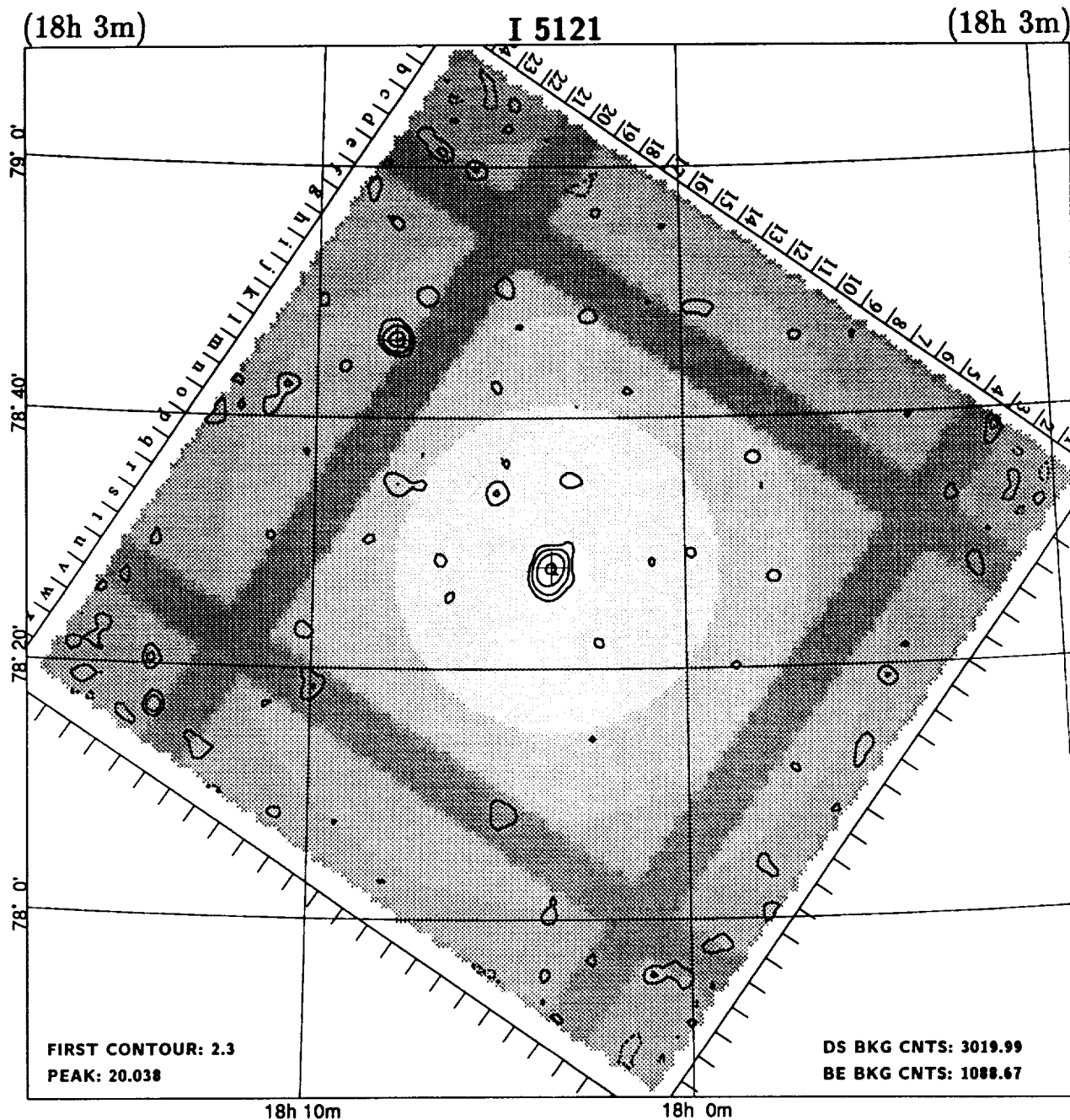
OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: $18^h 03^m 35.8^s$ $67^\circ 36' 59''$ (B1950)
 $18^h 03^m 27.4^s$ $67^\circ 37' 15''$ (J2000)
 $l: 97.60$ $b: 29.48$

DATE: 1979/167 - 1979/168
 LIVETIME: 7125.2s
 ROLL ANGLE: -5.6°

NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4008	1	18 03 38.8	67 38 04	31	0.0828	0.0040	440.0	19.0	20.5	1.2	0	1.3	AH	AGN
4012	2	18 04 22.9	67 53 26	51	0.0089	0.0018	35.9	16.1	5.0	0.9	0	17.1	H	



SUSPECTED BL LAC B

FIELD CENTER: $18^h 03^m 38.7^s$ $78^\circ 27' 48''$ (B1950)
 $18^h 00^m 45.2^s$ $78^\circ 27' 58''$ (J2000)
 $l: 110.04$ $b: 29.07$

DATE: 1979/303 - 1979/303
 LIVETIME: 2447.2s
 ROLL ANGLE: 124.6°

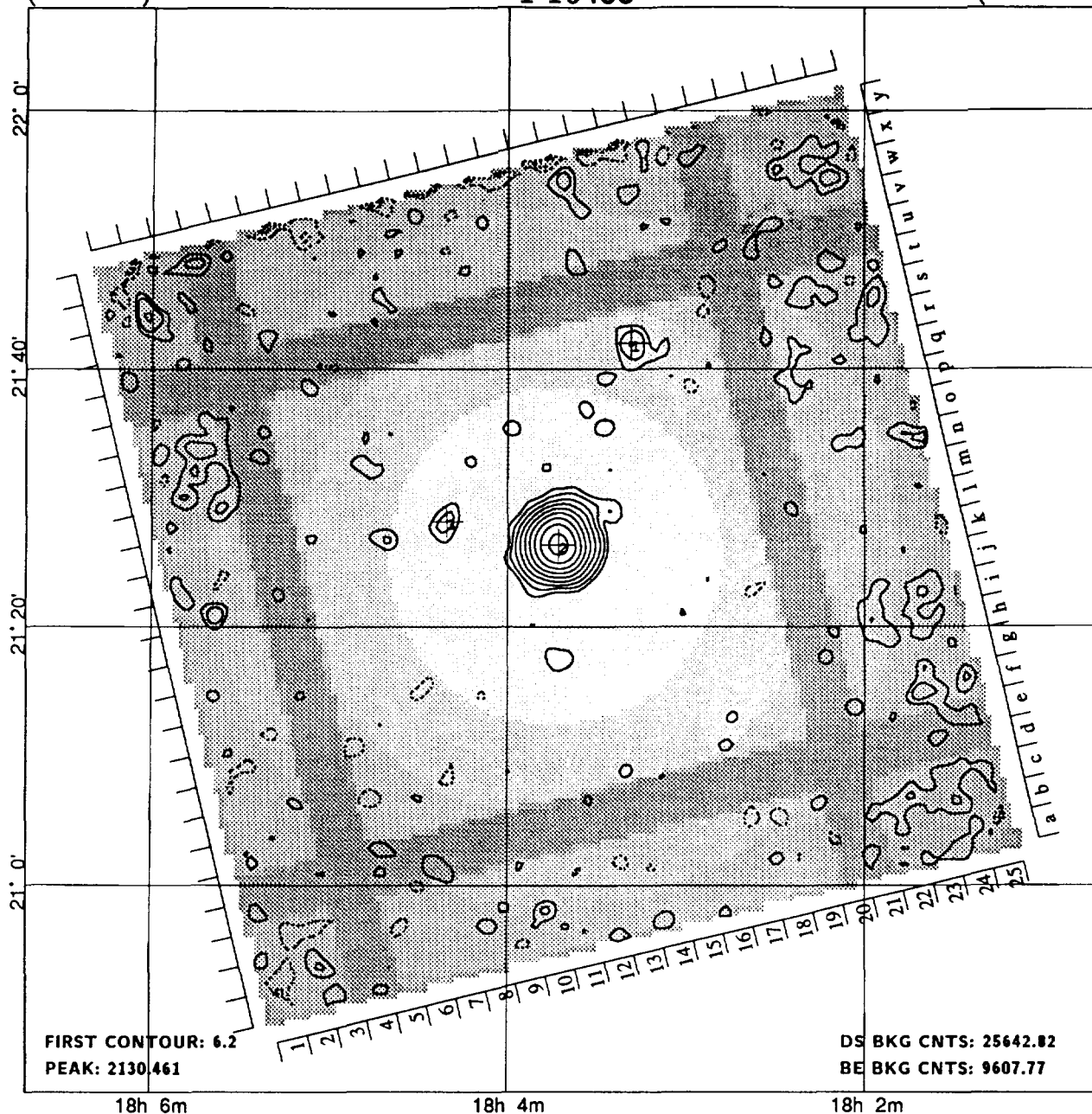
NH: $4.0E+20$
 REF/ID: BL
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4007	1	18 03 35.9	78 28 12	32	0.0488	0.0055	89.0	11.0	8.9	1.1	0	0.4	H	
4025	2	18 07 49.8	78 46 16	51	*0.0234	0.0051	27.0	7.0	4.6	0.8	601	22.3	H	

(18h 3m)

I 10433

(18h 3m)



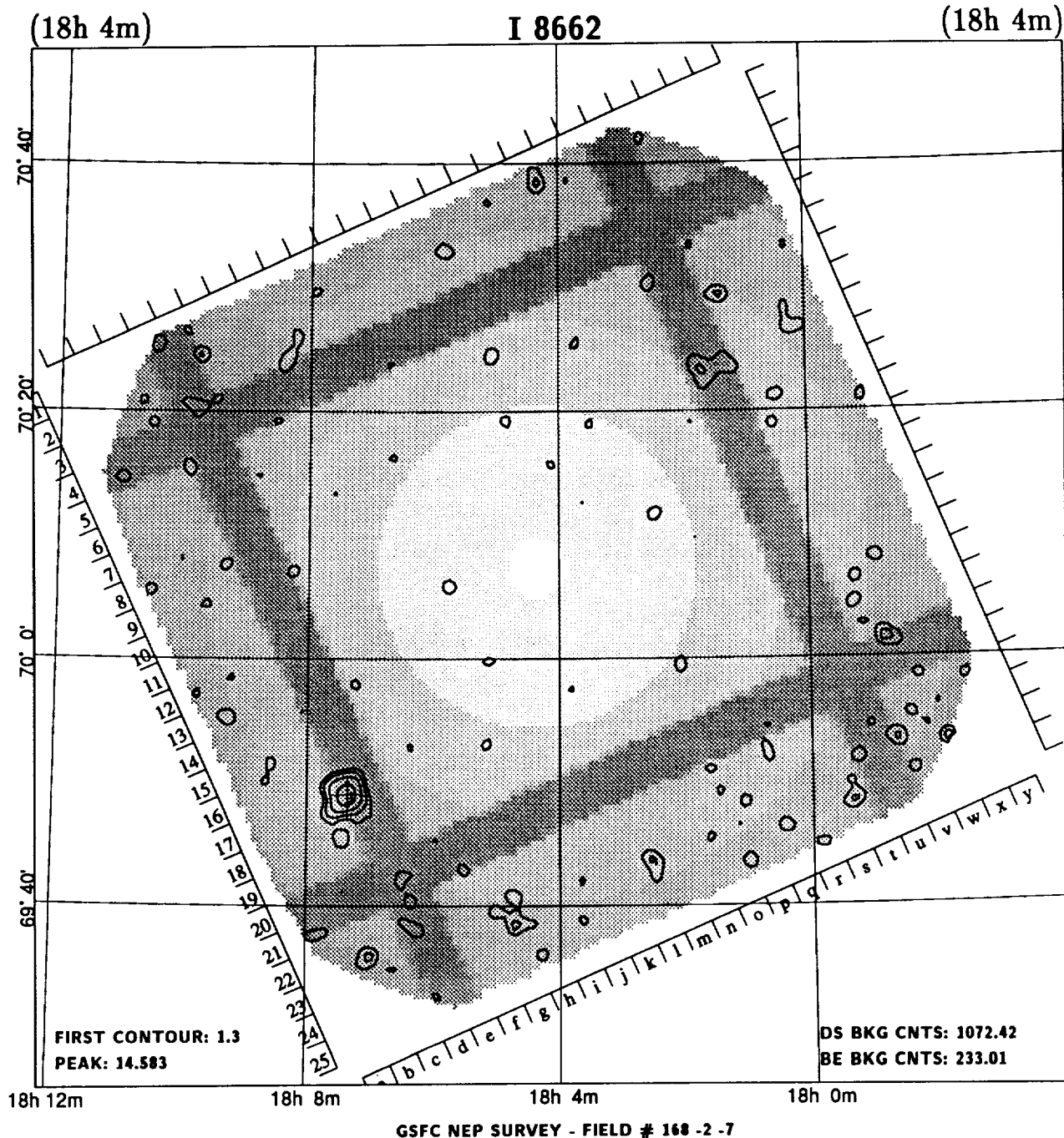
DETECT OF EMISSION FROM TRIPLE STARS HD 165590

FIELD CENTER: $18^{\text{h}}03^{\text{m}}41.8^{\text{s}}$ $21^{\circ}25'59''$ (B1950)
 $18^{\text{h}}05^{\text{m}}49.3^{\text{s}}$ $21^{\circ}26'20''$ (J2000)
 $l: 47.75$ $b: 19.30$

DATE: 1981/ 61 - 1981/ 61
 LIVETIME: 20779.2s
 ROLL ANGLE: -103.5°

NH: $8.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4006	1L	18 03 18.2	21 41 59	50	0.0050	0.0013	56.9	75.1	3.9	1.0	0	16.8	
4009	2L	18 03 42.9	21 26 24	31	0.5429	0.0073	8390.6	1451.4	73.9	1.3	0	0.6	S
4011	3L	18 04 20.7	21 28 12	42	0.0040	0.0011	56.5	83.5	3.7	0.8	0	9.5	



FIELD CENTER: $18^h 04^m 08.8^s$ $70^\circ 07' 40''$ (B1950)
 $18^h 03^m 37.8^s$ $70^\circ 07' 57''$ (J2000)
 $l: 100.49$ $b: 29.44$

DATE: 1980/149 - 1980/149
 LIVETIME: 869.0s
 ROLL ANGLE: -23.7°

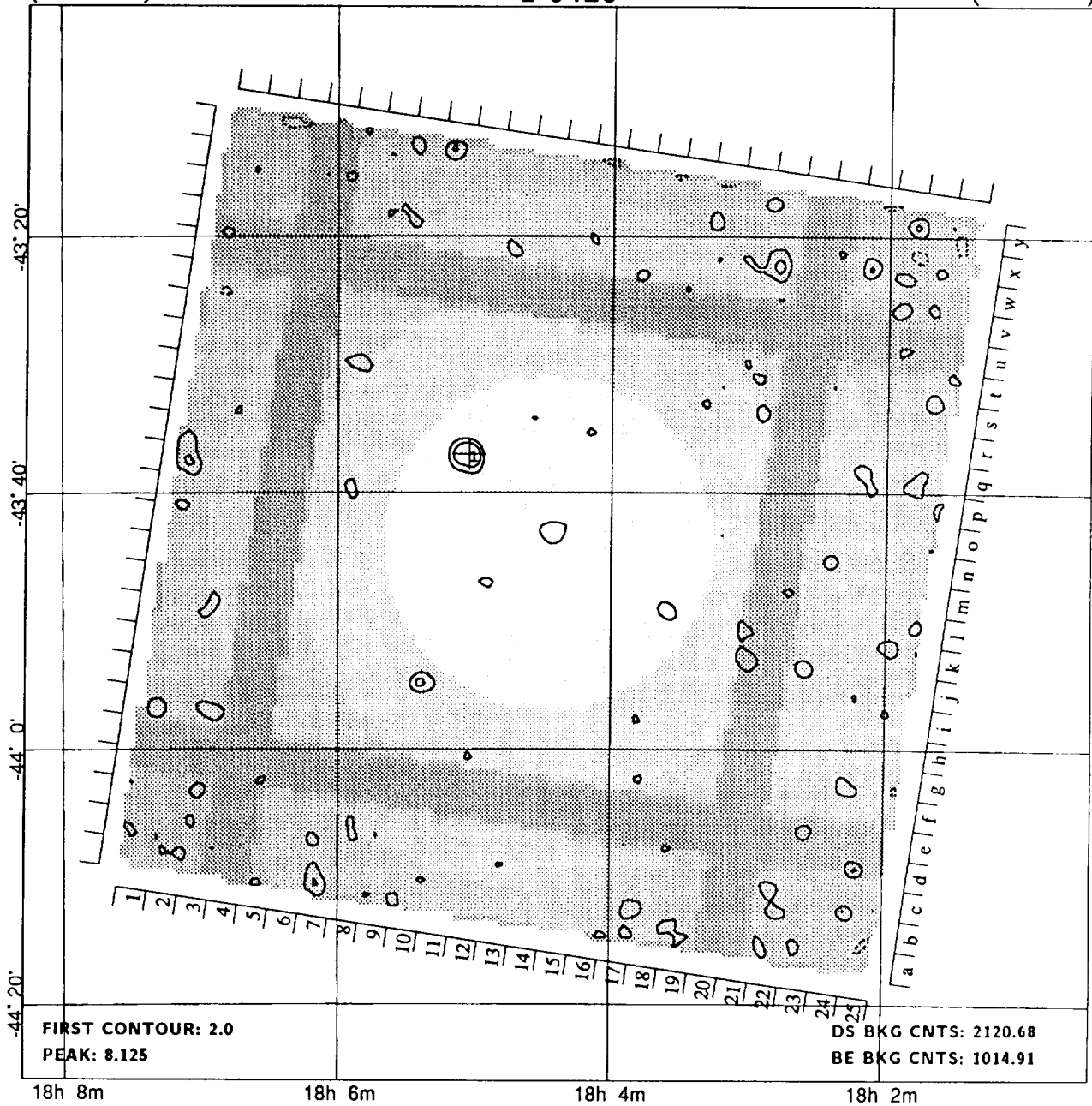
NH: $4.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4023	1	18 07 21.6	69 48 54	50	*0.102	0.017	39.2	1.8	6.1	1.1	1108	24.9	AH	BL

(18h 4m)

I 6420

(18h 4m)



NGC 6541, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^h 04^m 23.7^s$ $-43^\circ 43' 59''$ (B1950)
 $18^h 08^m 01.4^s$ $-43^\circ 43' 32''$ (J2000)
 $l: 349.27$ $b: -11.19$

DATE: 1980/ 68 - 1980/ 68
 LIVETIME: 1718.4s
 ROLL ANGLE: -81.6°

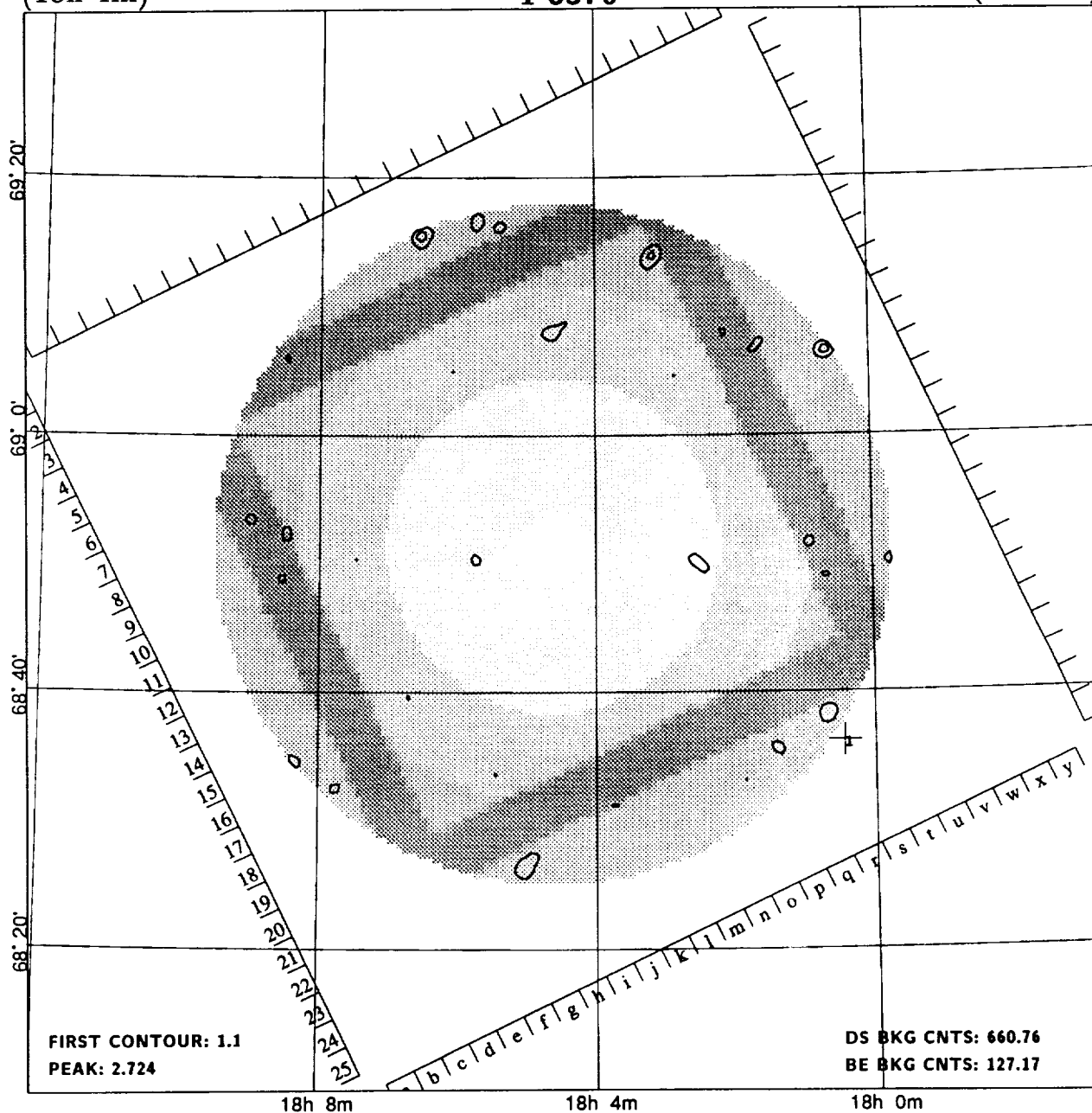
NH: $9.2E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4014	1	18 05 02.3	-43 36 59	42	0.0238	0.0051	27.5	7.5	4.6	0.8	0	10.0	H

(18h 4m)

I 8570

(18h 4m)



GSFC NEP SURVEY - FIELD # 76 4 -2

FIELD CENTER: $18^h 04^m 27.8^s$ $68^\circ 51' 08''$ (B1950)
 $18^h 04^m 08.9^s$ $68^\circ 51' 27''$ (J2000)
 $l: 99.02$ $b: 29.41$

DATE: 1980/148 - 1980/148
 LIVETIME: 535.4s
 ROLL ANGLE: -25.7°

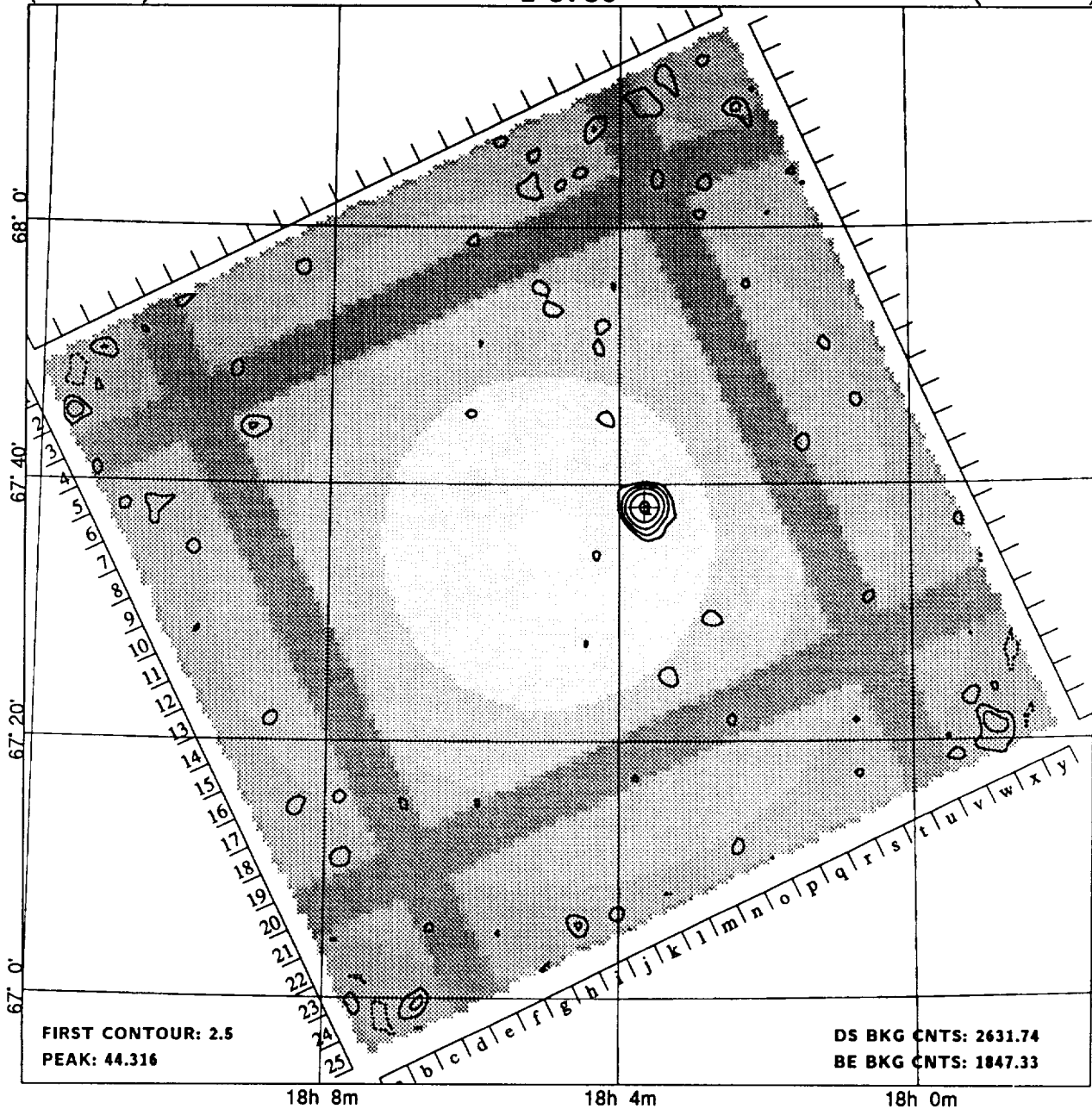
NH: $5.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3996	1	18 00 26.7	68 36 14	54	0.085	0.021	17.8	1.2	4.1	0.0	0	26.4	EH	

(18h 4m)

I 8780

(18h 4m)



GSFC NEP SURVEY - FIELD # 47 3 0

FIELD CENTER: $18^{\text{h}}04^{\text{m}}50.6^{\text{s}}$ $67^{\circ}35'16''$ (B1950)
 $18^{\text{h}}04^{\text{m}}42.4^{\text{s}}$ $67^{\circ}35'37''$ (J2000)
 $l: 97.57$ $b: 29.36$

DATE: 1980/149 - 1980/149

NH: $4.7\text{E}+20$

LIVETIME: 2132.6s

REF/ID:

ROLL ANGLE: -25.8°

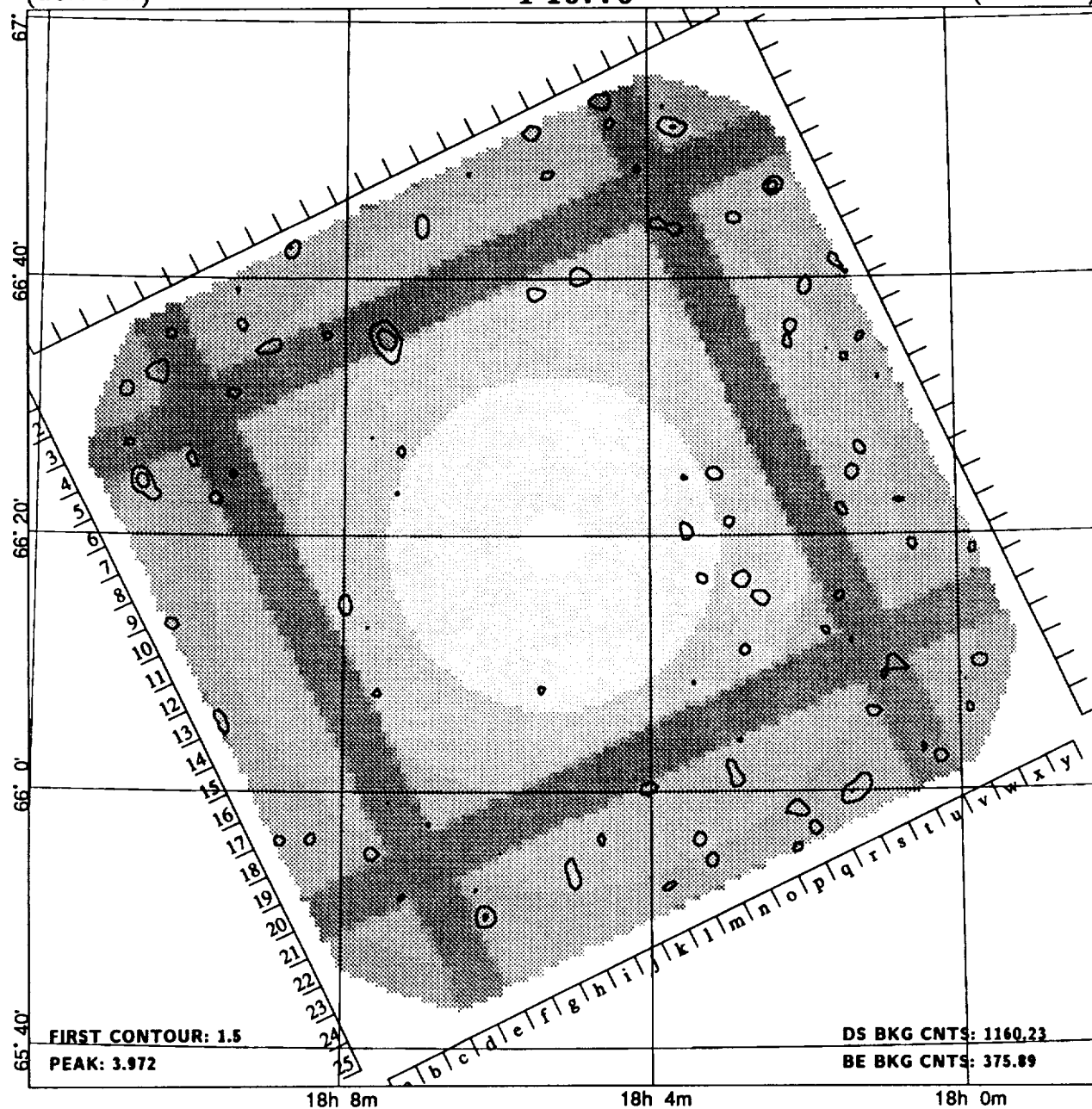
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4008	1	18 03 39.6	67 38 12	38	0.1149	0.0092	168.0	12.0	12.5	1.1	0	7.2	AH	AGN

(18h 5m)

I 10770

(18h 5m)



GSFC NEP SURVEY - NEW FIELD

FIELD CENTER: $18^{\text{h}}05^{\text{m}}07.9^{\text{s}}$ $66^{\circ}19'08''$ (B1950)
 $18^{\text{h}}05^{\text{m}}09.3^{\text{s}}$ $66^{\circ}19'30''$ (J2000)
 $l: 96.12$ $b: 29.29$

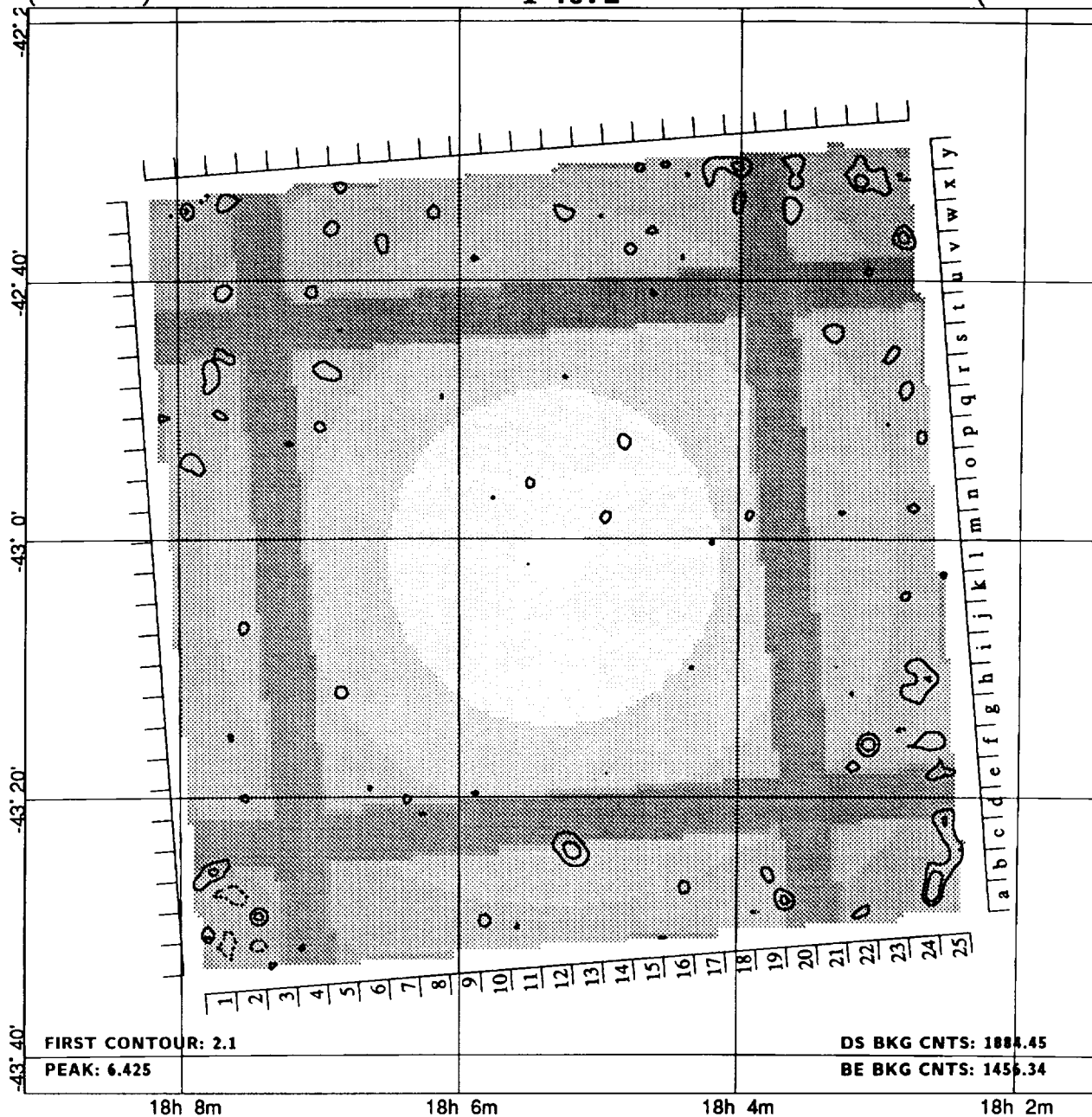
DATE: 1980/149 - 1980/149
 LIVETIME: 940.2s
 ROLL ANGLE: -26.0°

NH: $4.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 5m)

I 4072

(18h 5m)



0.5-1.2KEV DIFFUSE FEATURE NEAR GALACTIC CTR.

FIELD CENTER: $18^{\text{h}}05^{\text{m}}15.8^{\text{s}}$ $-43^{\circ}00'59''$ (B1950)
 $18^{\text{h}}08^{\text{m}}51.9^{\text{s}}$ $-43^{\circ}00'28''$ (J2000)
 l : 350.00 b : -11.00

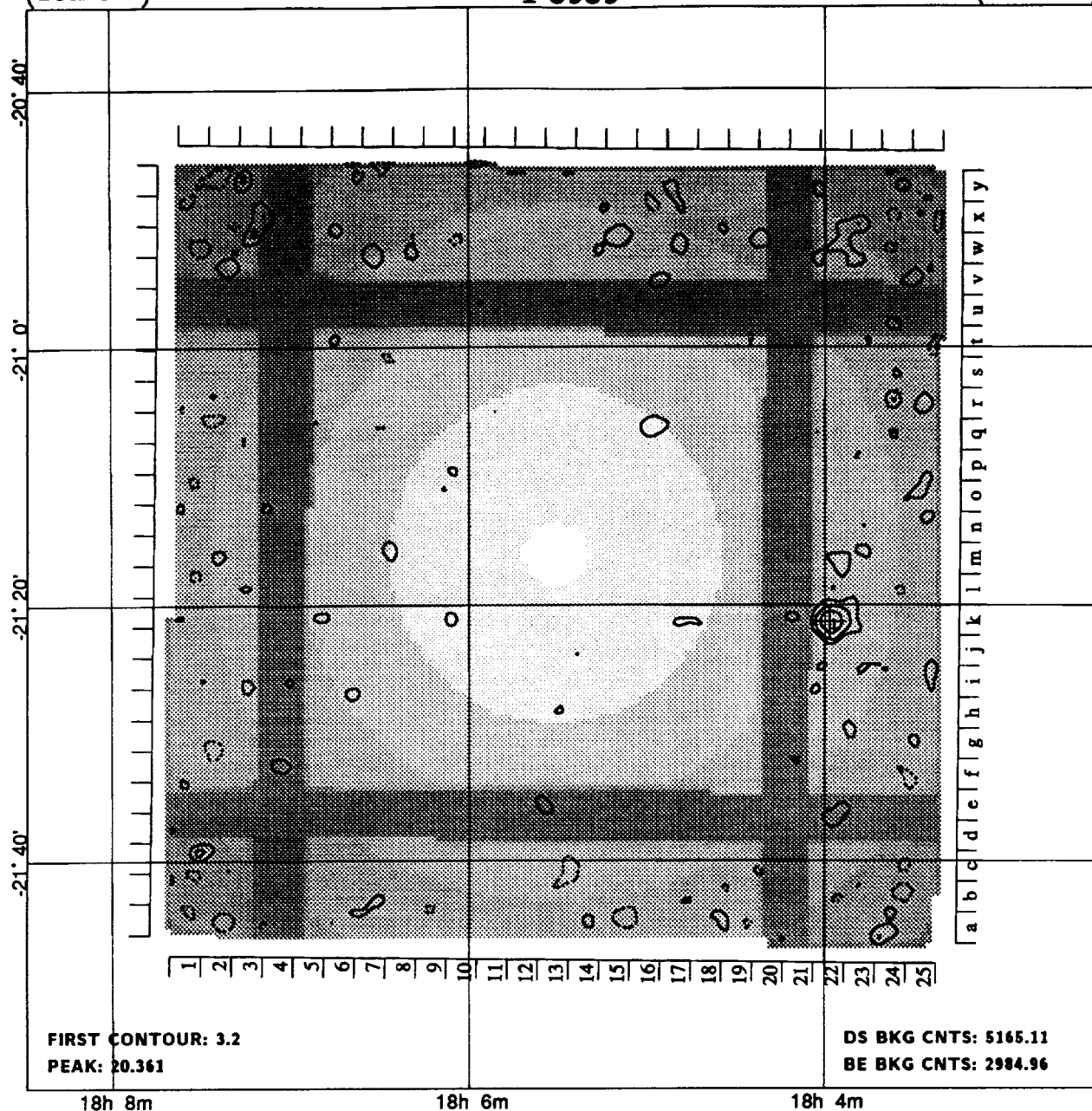
DATE: 1980/ 96 - 1980/ 96
 LIVETIME: 1581.9s
 ROLL ANGLE: -94.5°

NH: $9.6\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

(18h 5m)

I 5959

(18h 5m)



Wolf-Rayet Star Survey: 165763

FIELD CENTER: $18^h 05^m 27.8^s$ $-21^\circ 15' 40''$ (B1950)
 $18^h 08^m 27.6^s$ $-21^\circ 15' 10''$ (J2000)
 $l: 9.24$ $b: -0.61$

DATE: 1981/ 85 - 1981/ 85

NH: $1.1E+22$

LIVETIME: 4185.4s

REF/ID: S

ROLL ANGLE: -89.4°

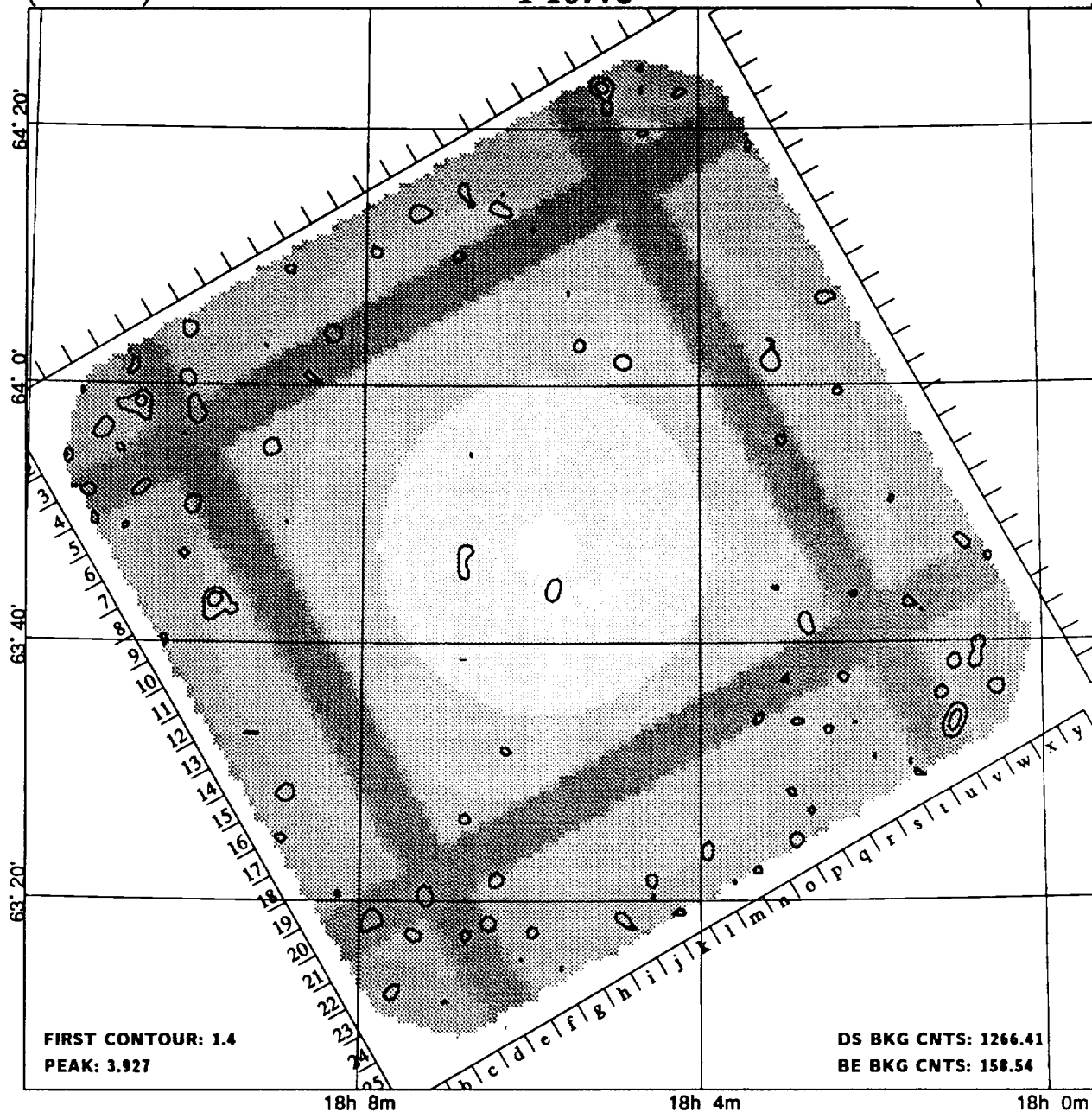
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4010	1L	18 03 58.4	-21 21 19	50	0.0217	0.0049	43.3	19.7	4.2	1.0	500	21.6	

(18h 5m)

I 10775

(18h 5m)



FIELD CENTER: $18^{\text{h}}05^{\text{m}}39.5^{\text{s}}$ $63^{\circ}47'20''$ (B1950)
 $18^{\text{h}}05^{\text{m}}57.6^{\text{s}}$ $63^{\circ}47'46''$ (J2000)
 $l: 93.23$ $b: 29.12$

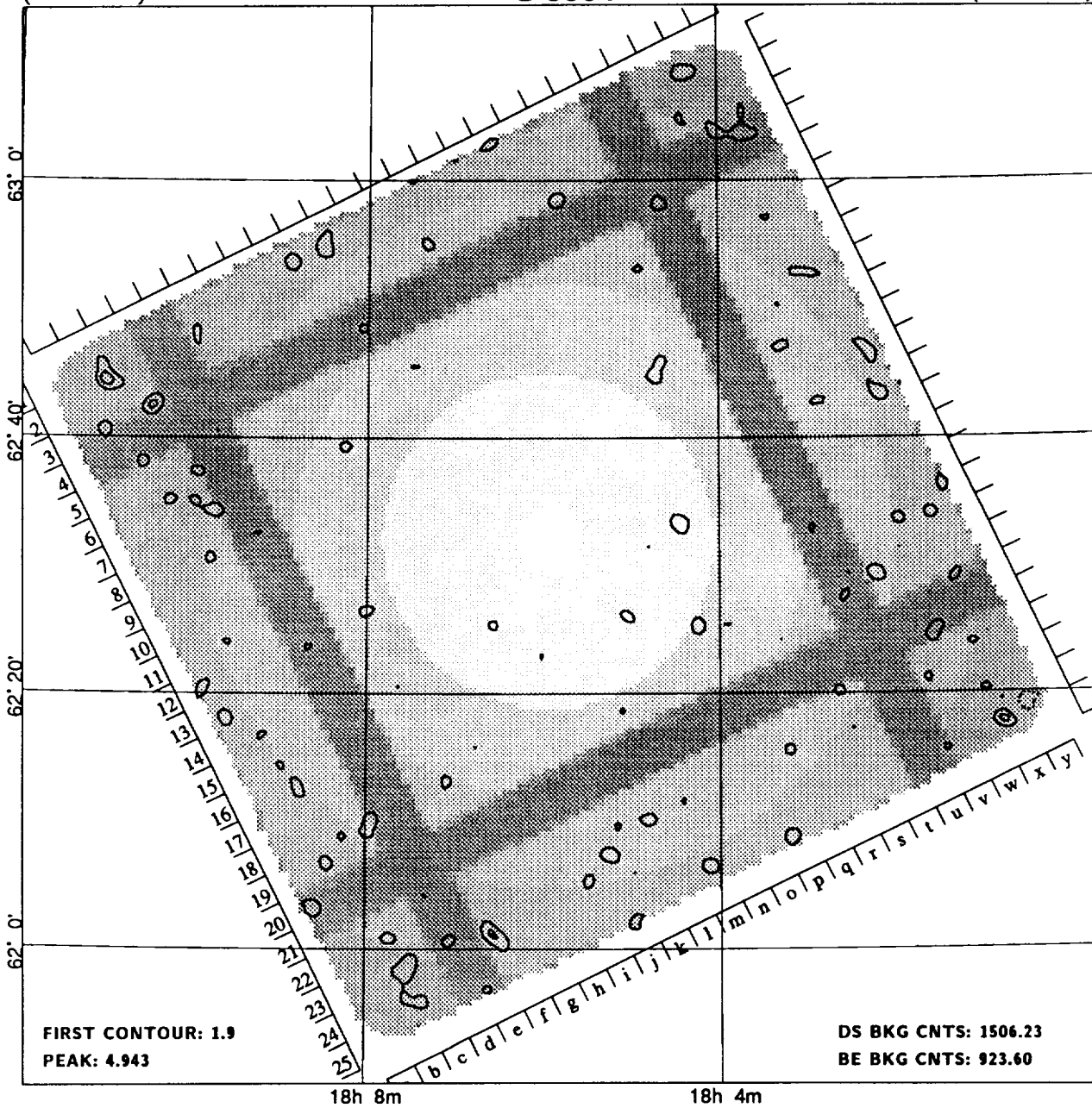
DATE: 1980/147 - 1980/147
 LIVETIME: 1026.2s
 ROLL ANGLE: -30.0°

NH: $3.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 5m)

I 8864

(18h 5m)



GSFC NEP SURVEY - FIELD # 131 -6 4

FIELD CENTER: $18^h 05^m 49.4^s$ $62^\circ 31' 41''$ (B1950)
 $18^h 06^m 14.7^s$ $62^\circ 32' 07''$ (J2000)
 $l: 91.79$ $b: 29.01$

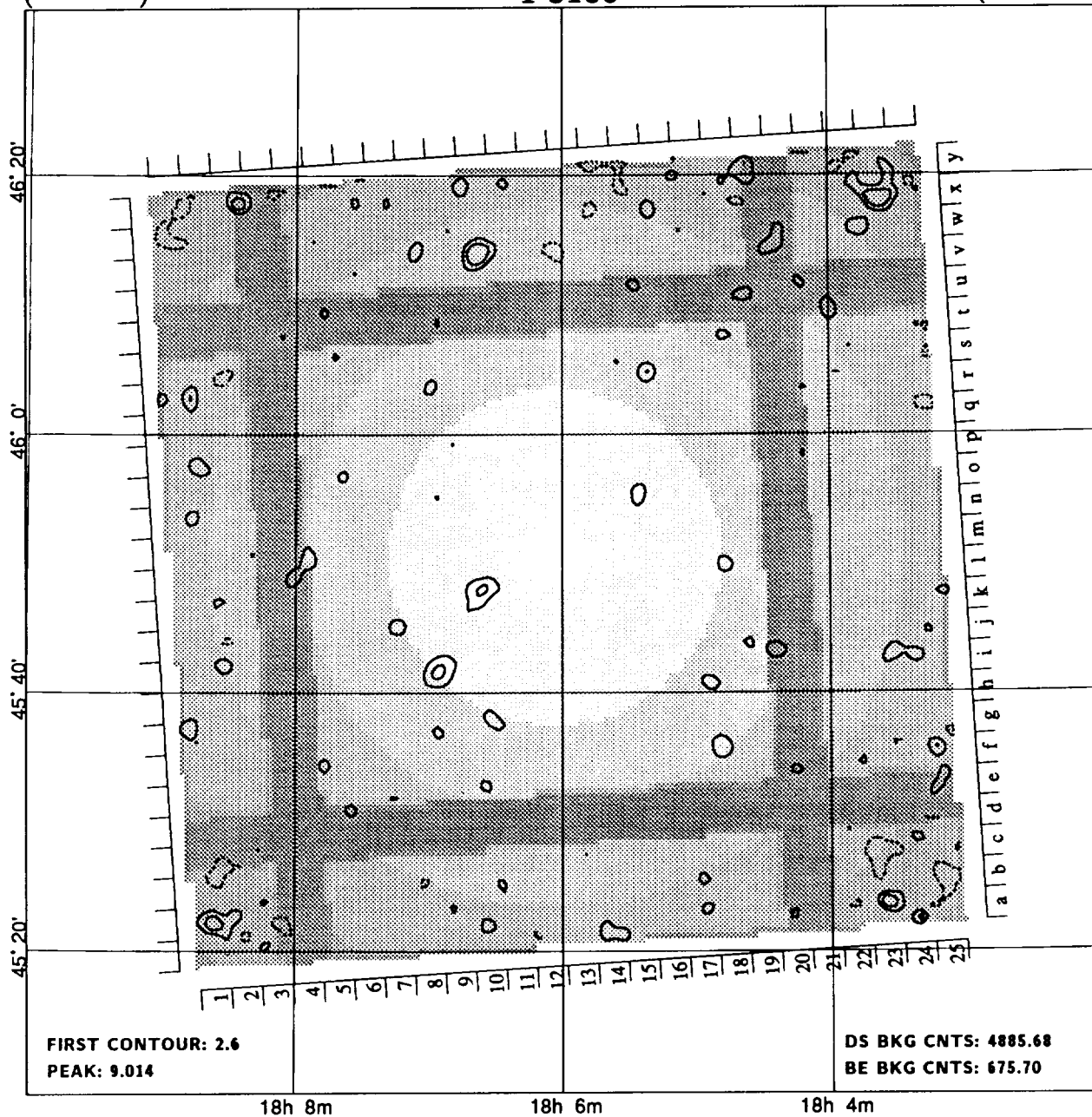
DATE: 1980/147 - 1980/147
LIVETIME: 1220.5s
ROLL ANGLE: -26.1°

NH: $3.6E+20$
REF/ID:
FIELD FLAGS:

(18h 5m)

I 3180

(18h 5m)



OLD NOVAE: DQ HER

FIELD CENTER: $18^h 05^m 59.8^s$ $45^\circ 50' 59''$ (B1950)
 $18^h 07^m 24.8^s$ $45^\circ 51' 29''$ (J2000)
 $l: 73.15$ $b: 26.46$

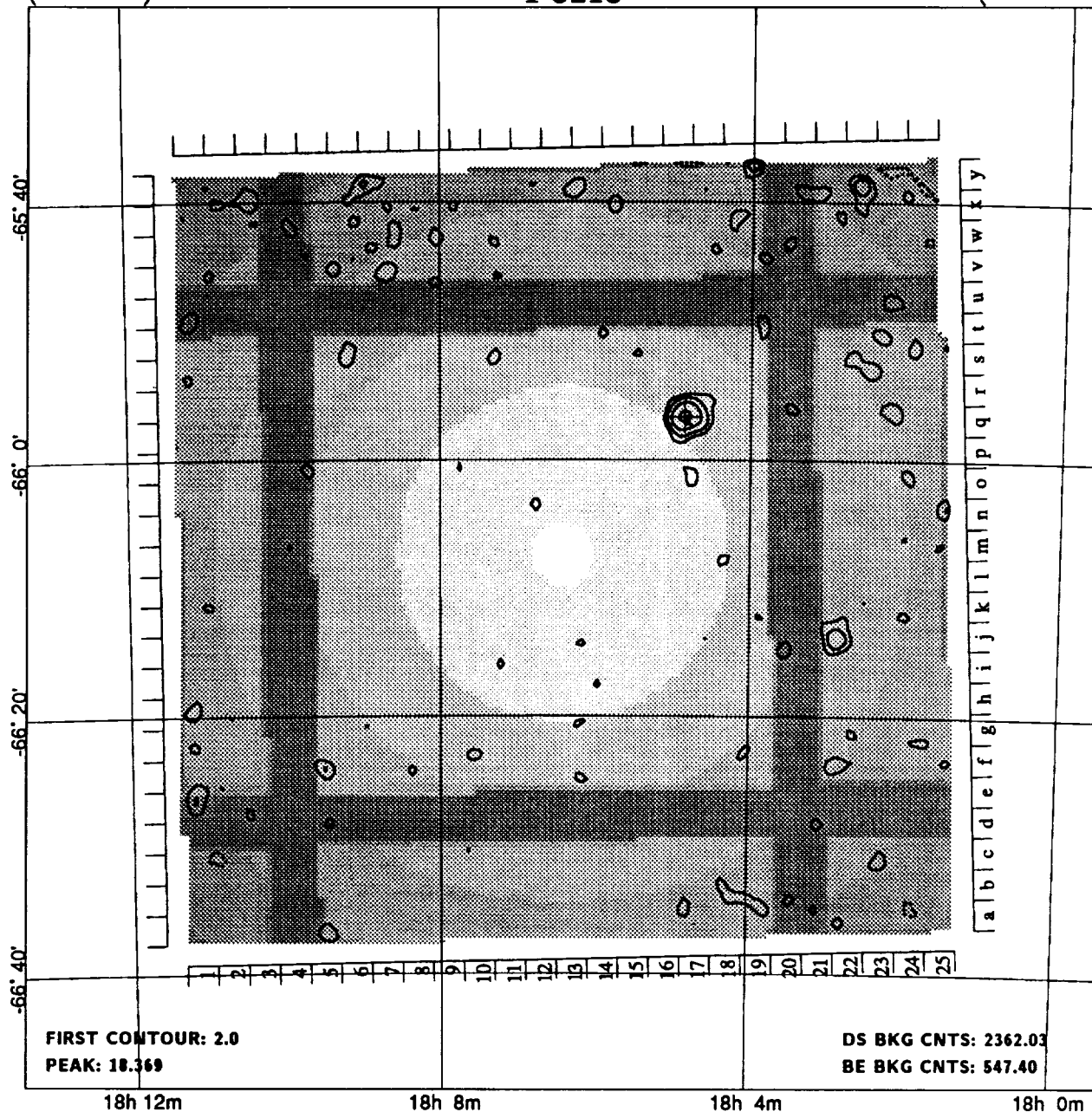
DATE: 1979/ 87 - 1979/ 87
 LIVETIME: 3959.0s
 ROLL ANGLE: -93.6°

NH: $3.6E+20$
 REF/ID: !
 FIELD FLAGS:

(18h 6m)

I 5213

(18h 6m)



STAR AR PAV,HOT COMPONENTS IN SYMBIOTIC STARS

FIELD CENTER: $18^h 06^m 23.7''$ $-66^\circ 06' 56''$ (B1950)
 $18^h 11^m 28.3''$ $-66^\circ 06' 17''$ (J2000)
 $l: 328.18$ $b: -20.75$

DATE: 1980/ 69 - 1980/ 69
 LIVETIME: 1914.0s
 ROLL ANGLE: -91.2°

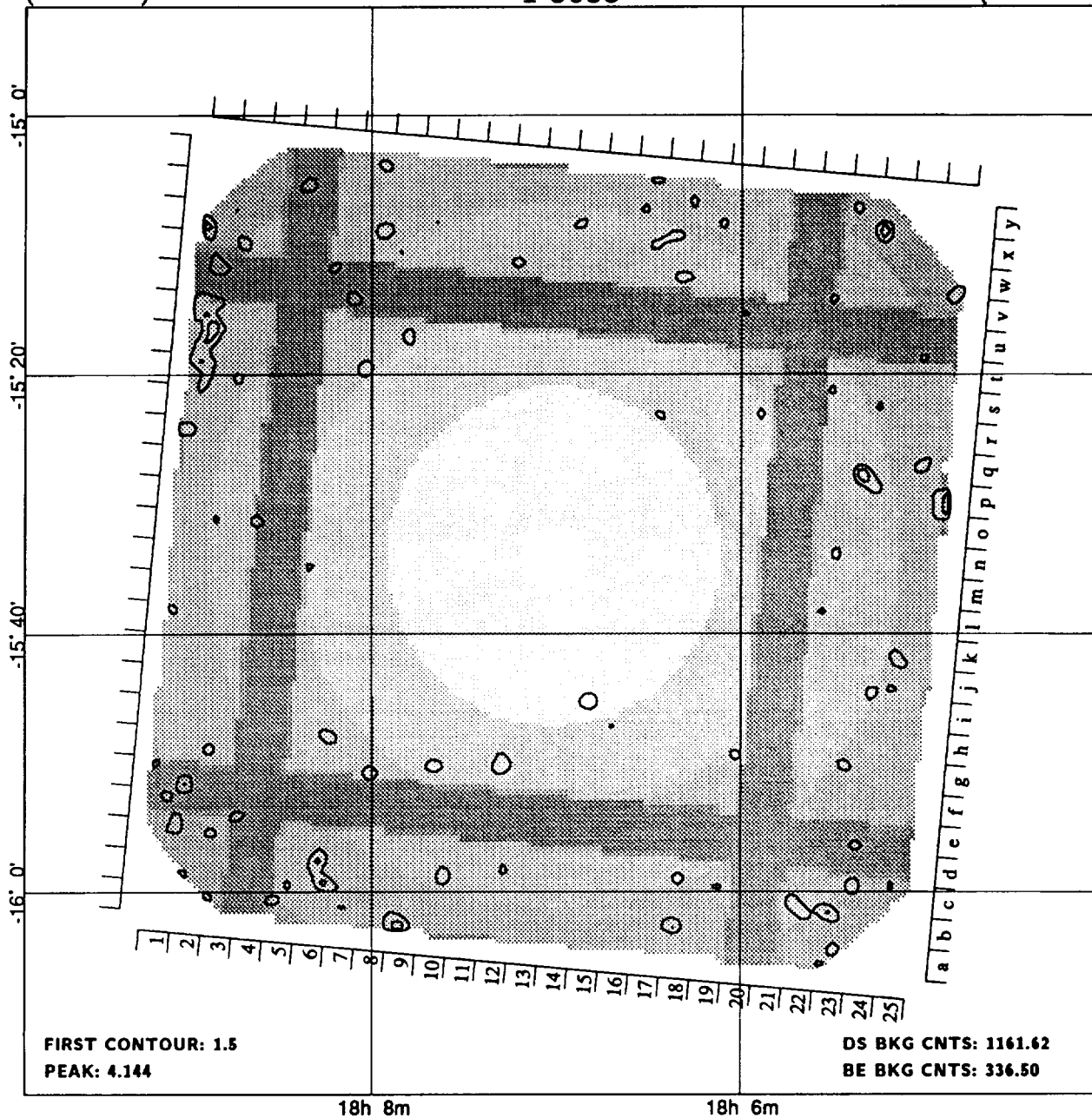
NH: $7.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
4013	1	18 04 51.1	-65 56 38	41	0.0492	0.0069	56.6	6.4	7.1	1.0	0	13.8	H

(18h 6m)

I 5055

(18h 6m)



FIELD CENTER: $18^{\text{h}}06^{\text{m}}57.9^{\text{s}}$ $-15^{\circ}33'41''$ (B1950)
 $18^{\text{h}}09^{\text{m}}50.2^{\text{s}}$ $-15^{\circ}33'05''$ (J2000)
 $l: 14.39$ $b: 1.86$

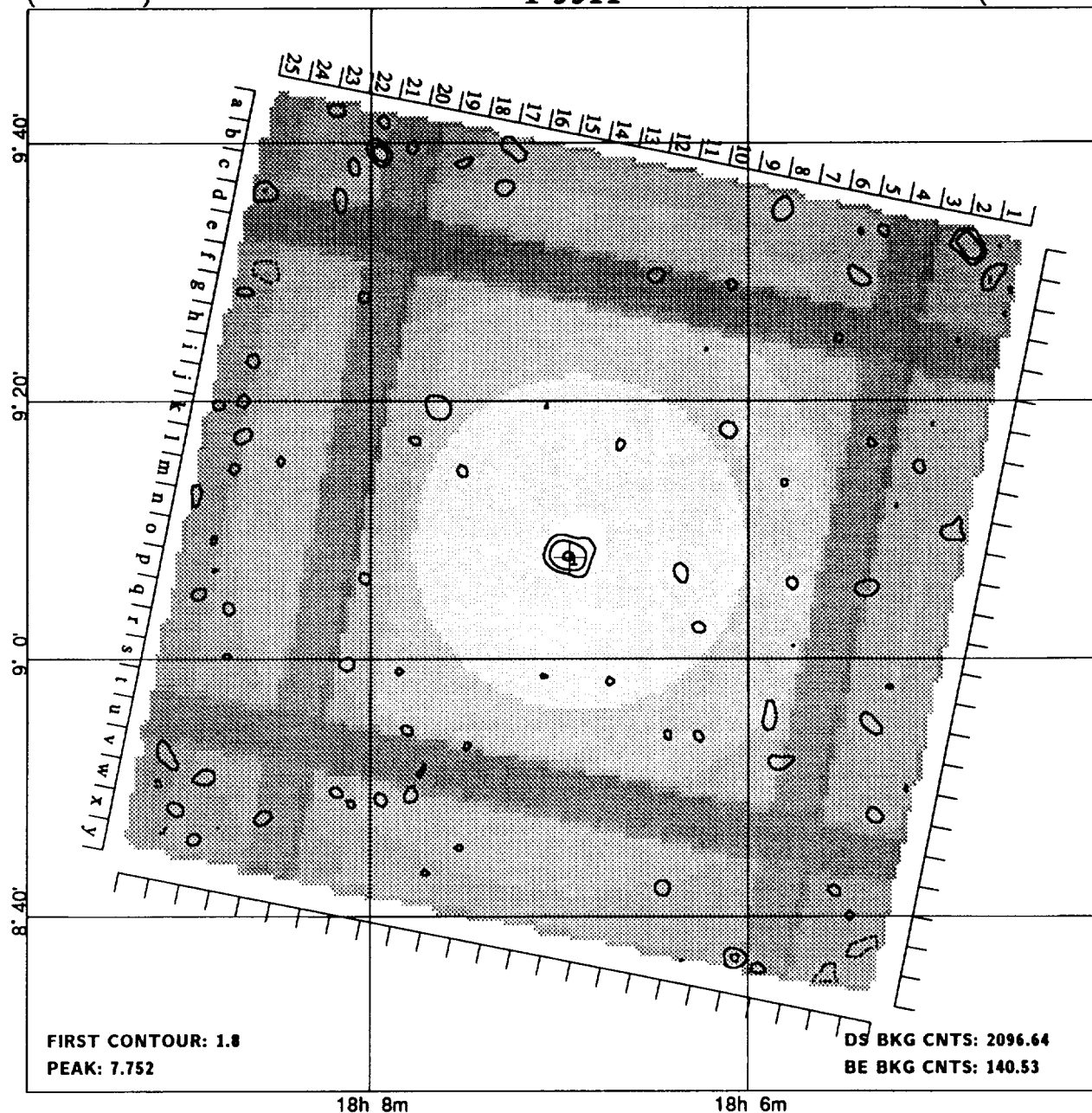
DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 975.1s
 ROLL ANGLE: -84.8°

NH: $8.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(18h 6m)

I 9911

(18h 6m)



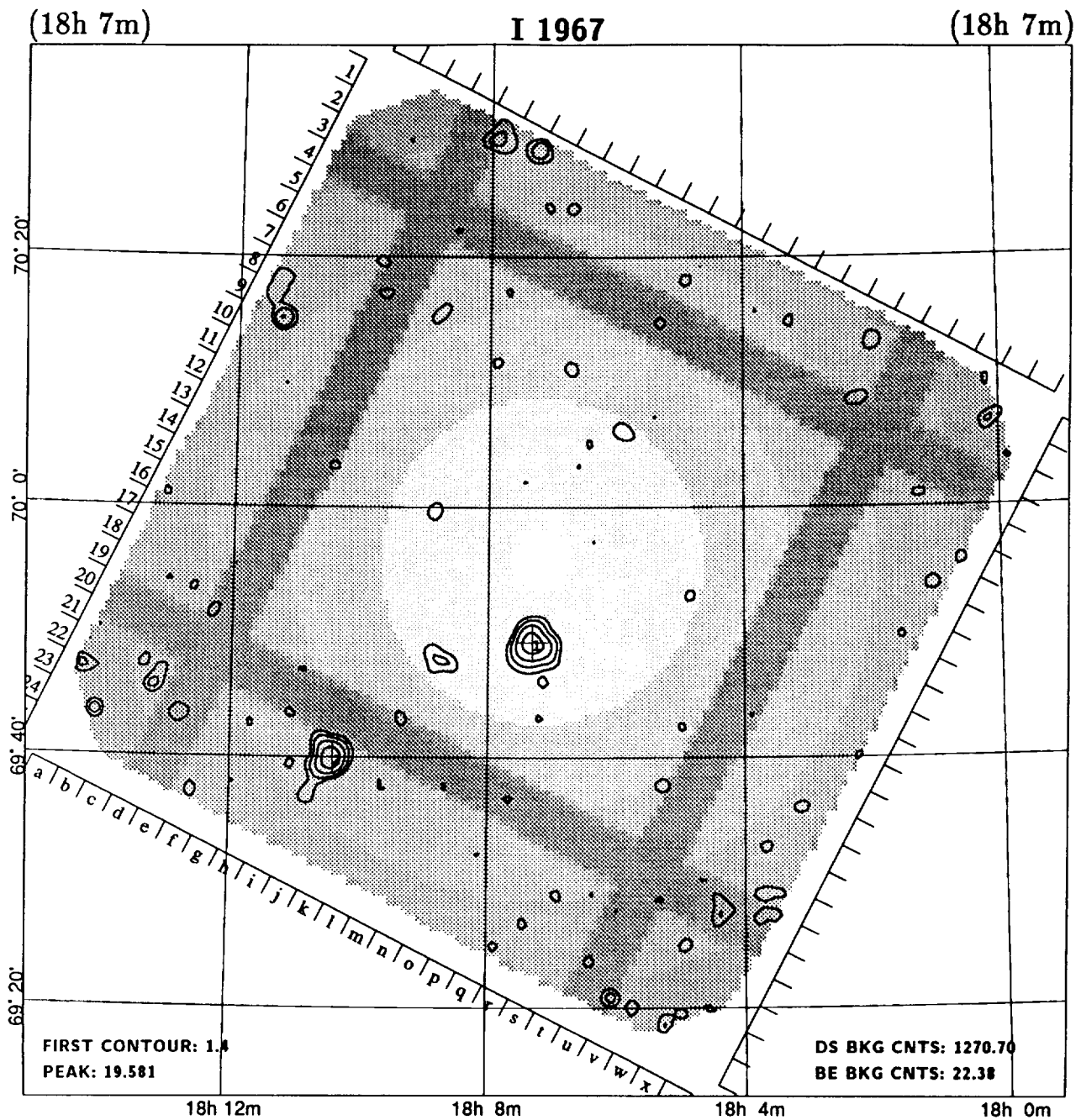
V839 OPH

FIELD CENTER: $18^{\text{h}}06^{\text{m}}58.1^{\text{s}}$ $09^{\circ}08'27''$ (B1950)
 $18^{\text{h}}09^{\text{m}}21.2^{\text{s}}$ $09^{\circ}09'03''$ (J2000)
 $l: 36.43$ $b: 13.47$

DATE: 1980/282 - 1980/282
 LIVETIME: 1699.0s
 ROLL ANGLE: 101.3°

NH: $1.0\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4021	1	18 06 56.8	09 07 56	36	0.0304	0.0052	38.4	5.6	5.8	1.0	0	0.4	H	S



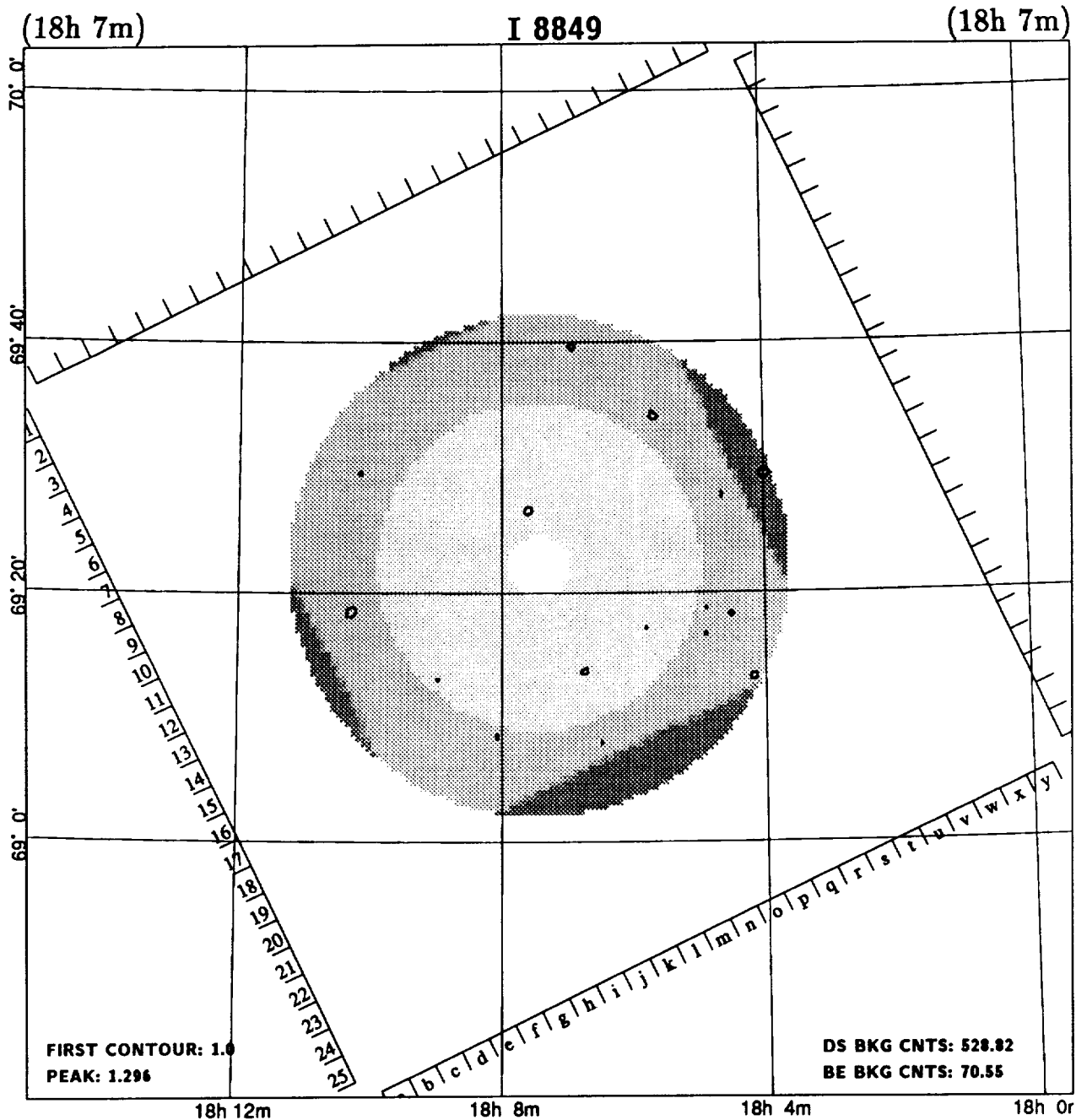
3C 371: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $18^h 07^m 05.8^s$ $69^\circ 54' 59''$ (B1950)
 $18^h 06^m 36.9^s$ $69^\circ 55' 29''$ (J2000)
 $l: 100.25$ $b: 29.19$

DATE: 1979/202 - 1979/203
 LIVETIME: 1029.7s
 ROLL ANGLE: 27.0°

NH: $5.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4023	1	18 07 18.5	69 49 12	41	0.087	0.011	63.0	3.0	7.8	1.2	0	5.8	AH	BL
4039	2	18 10 24.6	69 39 59	50	*0.090	0.014	42.9	2.1	6.4	1.0	401	22.7	AH	S

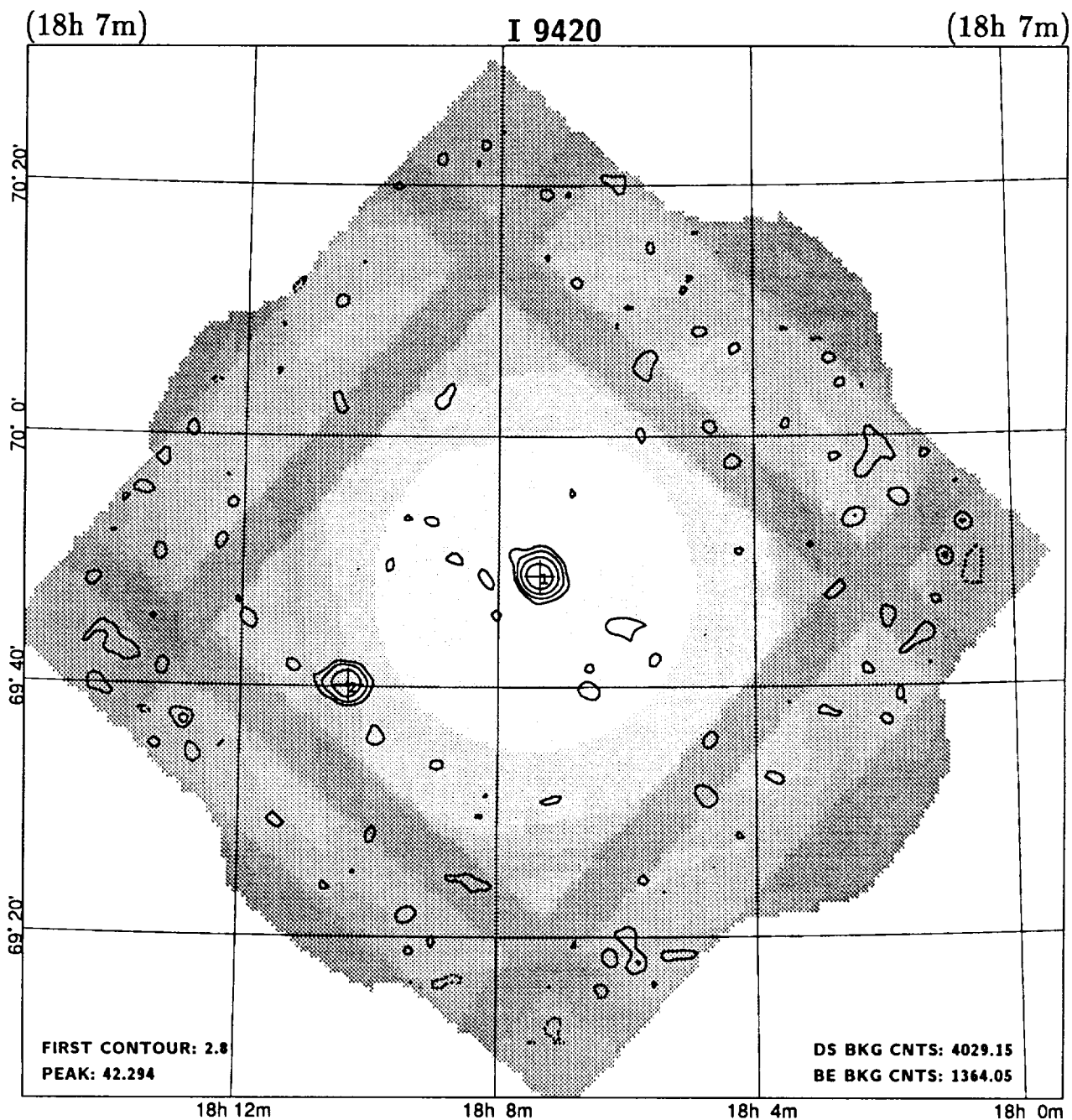


GSFC NEP SURVEY - FIELD # 116 5 -1

FIELD CENTER: $18^h 07^m 16.7^s$ $69^\circ 21' 45''$ (B1950)
 $18^h 06^m 53.2^s$ $69^\circ 22' 16''$ (J2000)
 $l: 99.61$ $b: 29.16$

DATE: 1980/148 - 1980/148
 LIVETIME: 428.5s
 ROLL ANGLE: -25.8°

NH: $5.3E+20$
 REF/ID:
 FIELD FLAGS: S



3C 371: STUDY, BL LAC's,

FIELD CENTER: $18^{\text{h}}07^{\text{m}}17.5^{\text{s}}$ $69^{\circ}49'11''$ (B1950)
 $18^{\text{h}}06^{\text{m}}49.6^{\text{s}}$ $69^{\circ}49'42''$ (J2000)
 ℓ : 100.14 b : 29.17

DATE: 1980/348 - 1981/ 32
LIVETIME: 3264.9s

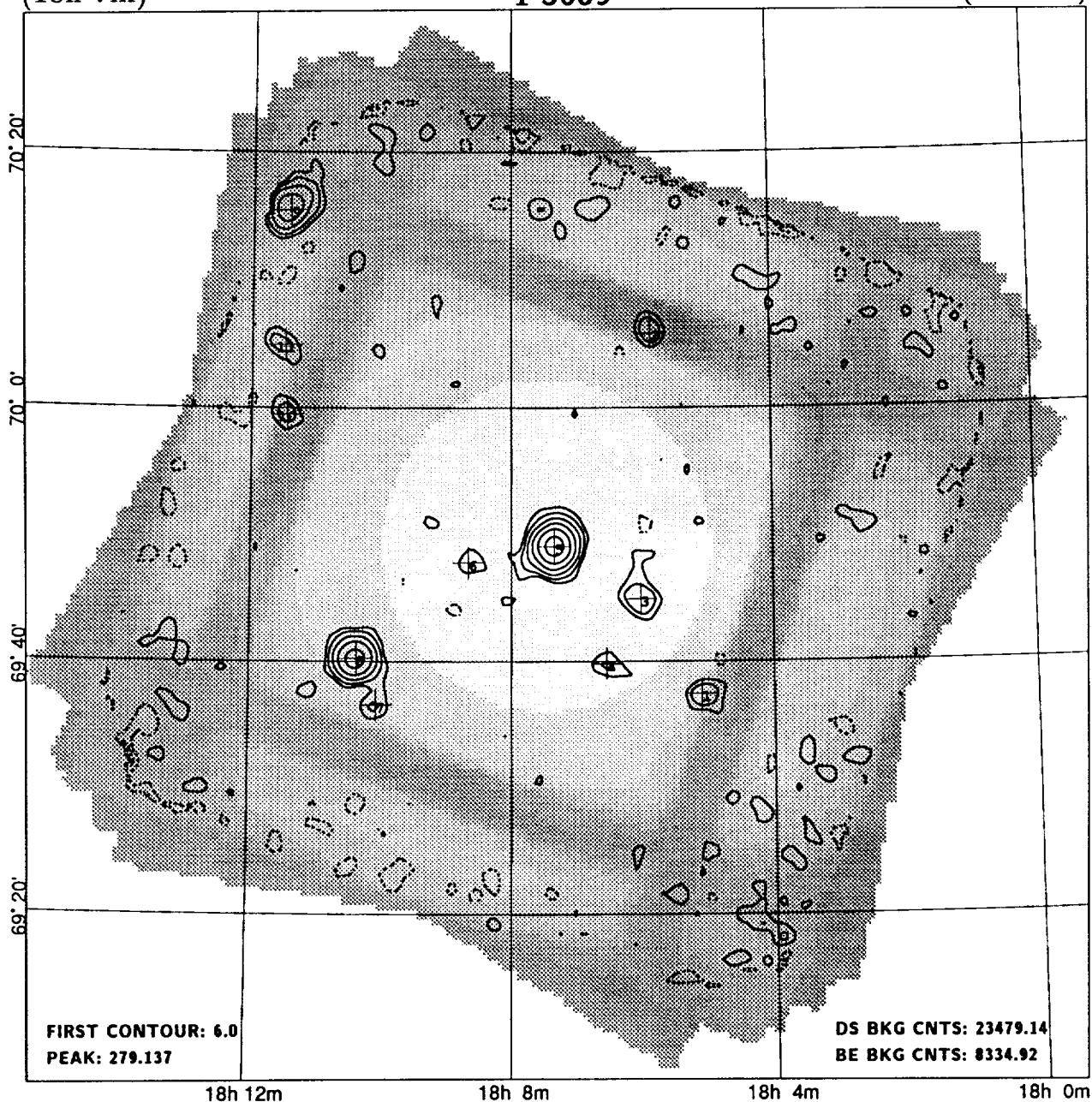
NH: 5.0E+20
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4023	1L	18 07 21.2	69 48 50	31	0.0679	0.0065	165.1	25.9	10.3	1.1	0	0.5	A	BL
4039	2L	18 10 19.9	69 40 08	50	*0.0328	0.0071	60.3	20.7	4.5	1.1	603	18.2	A	S

(18h 7m)

I 5689

(18h 7m)



FIELD CENTER: $18^h 07^m 17.7^s$ $69^\circ 49' 11''$ (B1950)
 $18^h 06^m 49.7^s$ $69^\circ 49' 42''$ (J2000)
 $l: 100.14$ $b: 29.17$

DATE: 1980/ 91 - 1980/114
 LIVETIME: 19709.0s

NH: 5.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4015	1	18 05 06.1	69 37 25	50	*0.00533	0.00098	58.9	59.1	5.4	0.8	703	16.2	H	
4017	2	18 05 51.1	70 05 48	52	*0.00516	0.00093	54.4	41.6	5.6	0.7	1409	18.5		
4018	3	18 06 01.6	69 44 56	41	0.00695	0.00097	93.4	77.6	7.1	1.1	0	7.5	H	
4020	4	18 06 32.7	69 39 49	42	0.00359	0.00086	46.8	80.2	4.2	0.7	0	10.2		
4023	5	18 07 20.5	69 49 04	31	0.0750	0.0023	1102.4	84.6	32.0	1.2	0	0.4	AH	BL
4031	6	18 08 39.9	69 47 47	42	0.00299	0.00080	41.5	81.5	3.7	0.5	0	7.5		
4036	7	18 10 04.1	69 36 34	59	0.00372	0.00093	39.2	56.8	4.0	14.7	300	19.5		
4039	8	18 10 22.2	69 40 15	47	0.0379	0.0020	412.3	57.7	19.0	1.2	0	18.3	AH	S
4041	9	18 11 25.6	70 15 25	50	*0.0254	0.0025	131.5	31.5	10.3	1.2	1609	33.8		
4043	10	18 11 27.1	69 59 30	61	*0.0048	0.0010	43.6	42.4	4.7	0.7	1008	23.9		

Source Table cont.

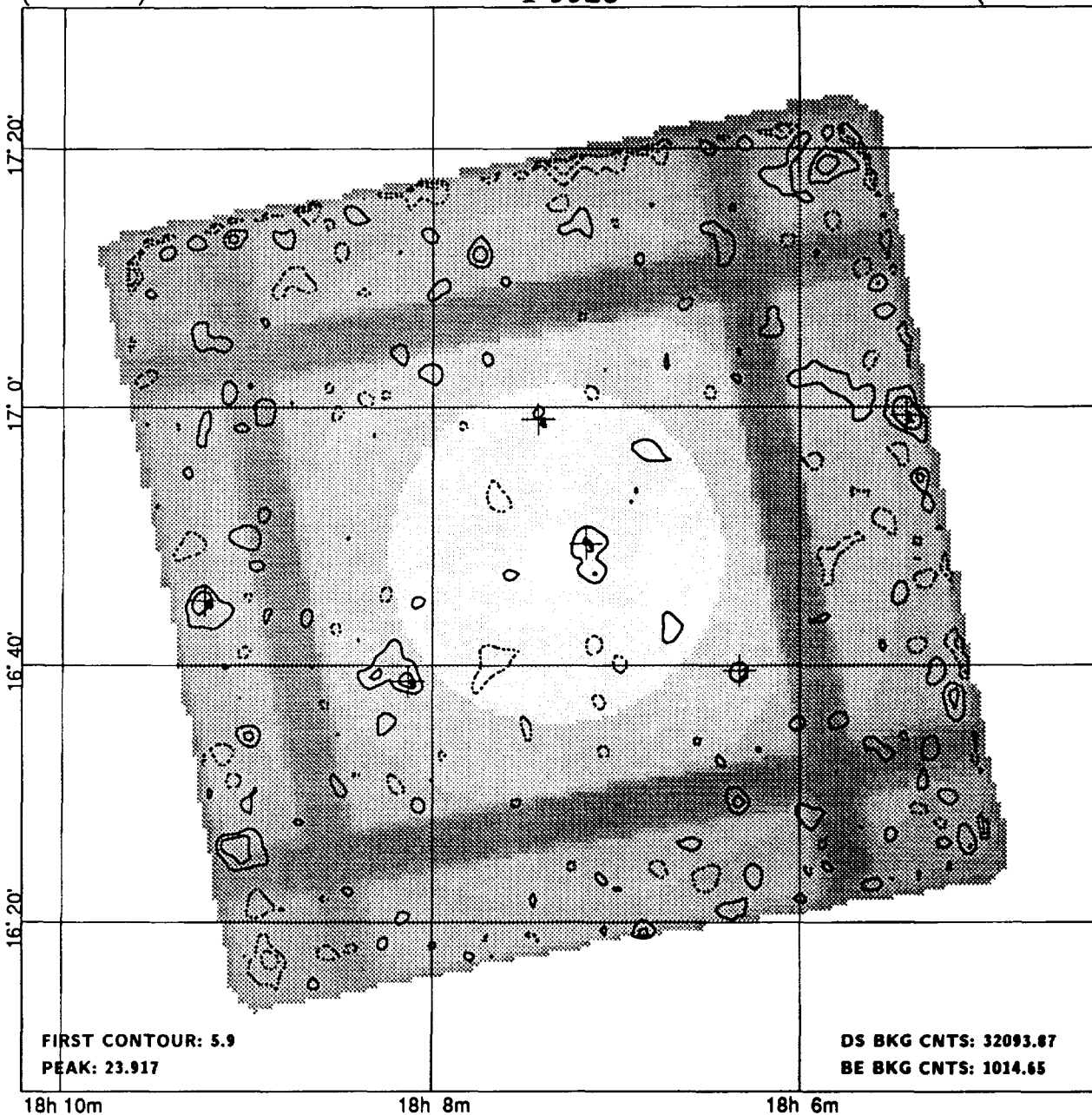
I 5689 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4044	11	18 11 29.1	70 04 54	66	*0.0047	0.0012	37.9	50.1	4.0	0.7	602	26.7	H	

(18h 7m)

I 9928

(18h 7m)



FIELD CENTER: $18^h 07^m 17.8^s$ $16^\circ 48' 55''$ (B1950)
 $18^h 09^m 31.4^s$ $16^\circ 49' 32''$ (J2000)
 $l: 43.65$ $b: 16.67$

DATE: 1980/ 63 - 1980/ 68
 LIVETIME: 26940.6s

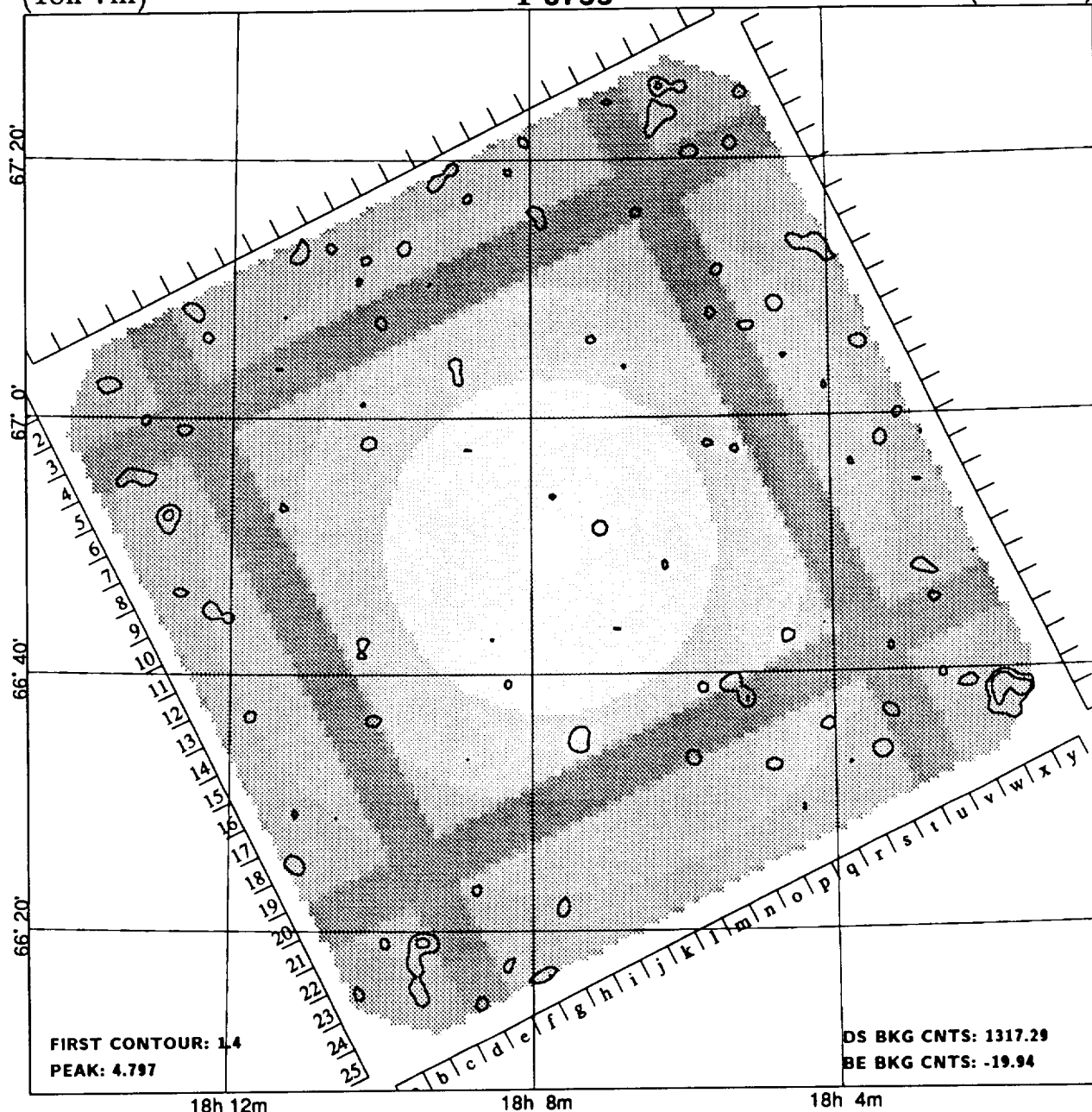
NH: $1.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4016	1	18 05 25.3	16 59 22	55	0.0055	0.0011	49.9	51.1	5.0	1.1	500	28.5	EH	
4019	2	18 06 19.7	16 39 34	57	0.00234	0.00064	35.4	59.6	3.6	0.4	0	16.5		
4022	3	18 07 10.0	16 49 28	36	0.00259	0.00057	51.3	77.7	4.5	1.2	0	1.9		
4024	4L	18 07 25.6	16 59 04	47	0.00265	0.00073	46.9	60.1	3.5	0.2	0	10.3		
4026	5	18 08 08.1	16 38 45	51	0.00288	0.00071	45.8	80.2	4.1	1.7	0	15.7		
4034	6	18 09 14.0	16 45 03	58	0.00347	0.00089	36.3	50.7	3.9	1.2	0	28.1	H	

(18h 7m)

I 8735

(18h 7m)



GSFC NEP SURVEY - FIELD # 211

FIELD CENTER: $18^{\text{h}}07^{\text{m}}36.6^{\text{s}}$ $66^{\circ}49'40''$ (B1950)
 $18^{\text{h}}07^{\text{m}}34.4^{\text{s}}$ $66^{\circ}50'13''$ (J2000)
 $l: 96.71$ $b: 29.07$

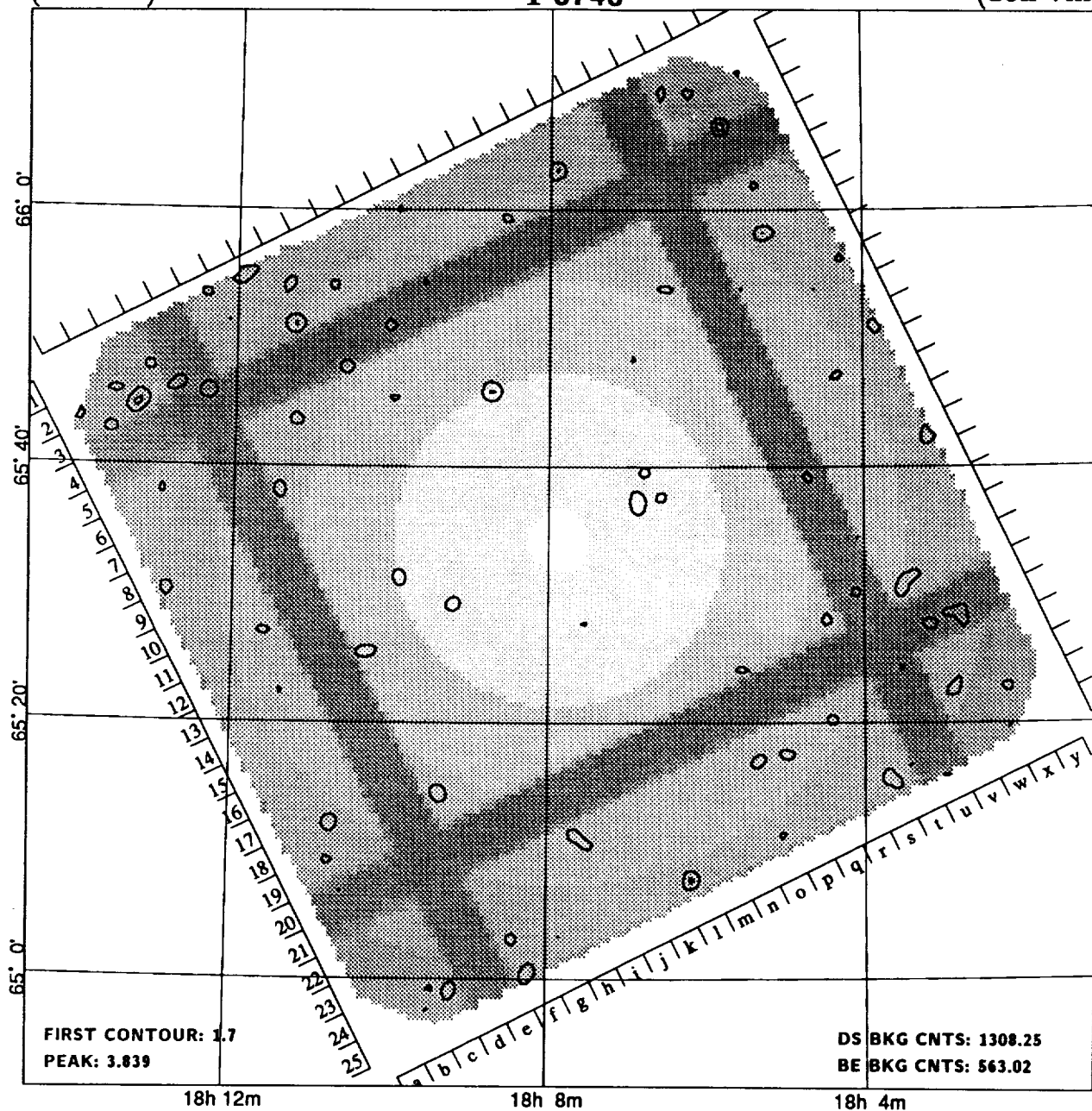
DATE: 1980/149 - 1980/149
 LIVETIME: 1067.4s
 ROLL ANGLE: -26.4°

NH: $4.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 7m)

I 8748

(18h 7m)

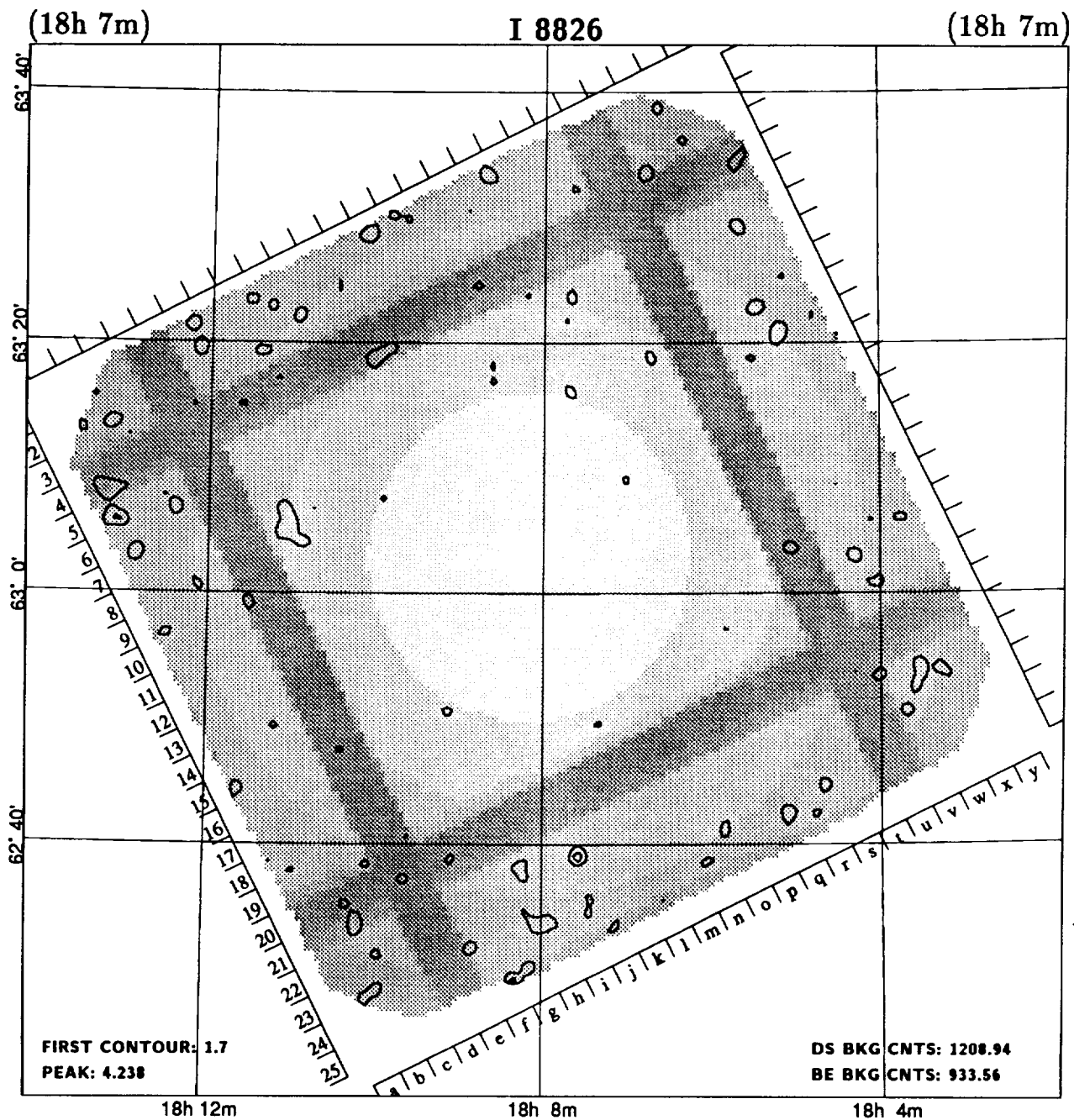


GSFC NEP SURVEY - FIELD # 15 -2 1

FIELD CENTER: 18^h07^m48.7^s 65°33'39" (B1950)
18^h07^m55.5^s 65°34'13" (J2000)
 l : 95.27 b : 28.99

DATE: 1980/147 - 1980/147
LIVETIME: 1060.1s
ROLL ANGLE: -26.6°

NH: 4.0E+20
REF/ID:
FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 93 -5 4

FIELD CENTER: 18^h07^m59.7" 63°01'50" (B1950)
18^h08^m22.2" 63°02'26" (J2000)
ℓ: 92.38 b: 28.80

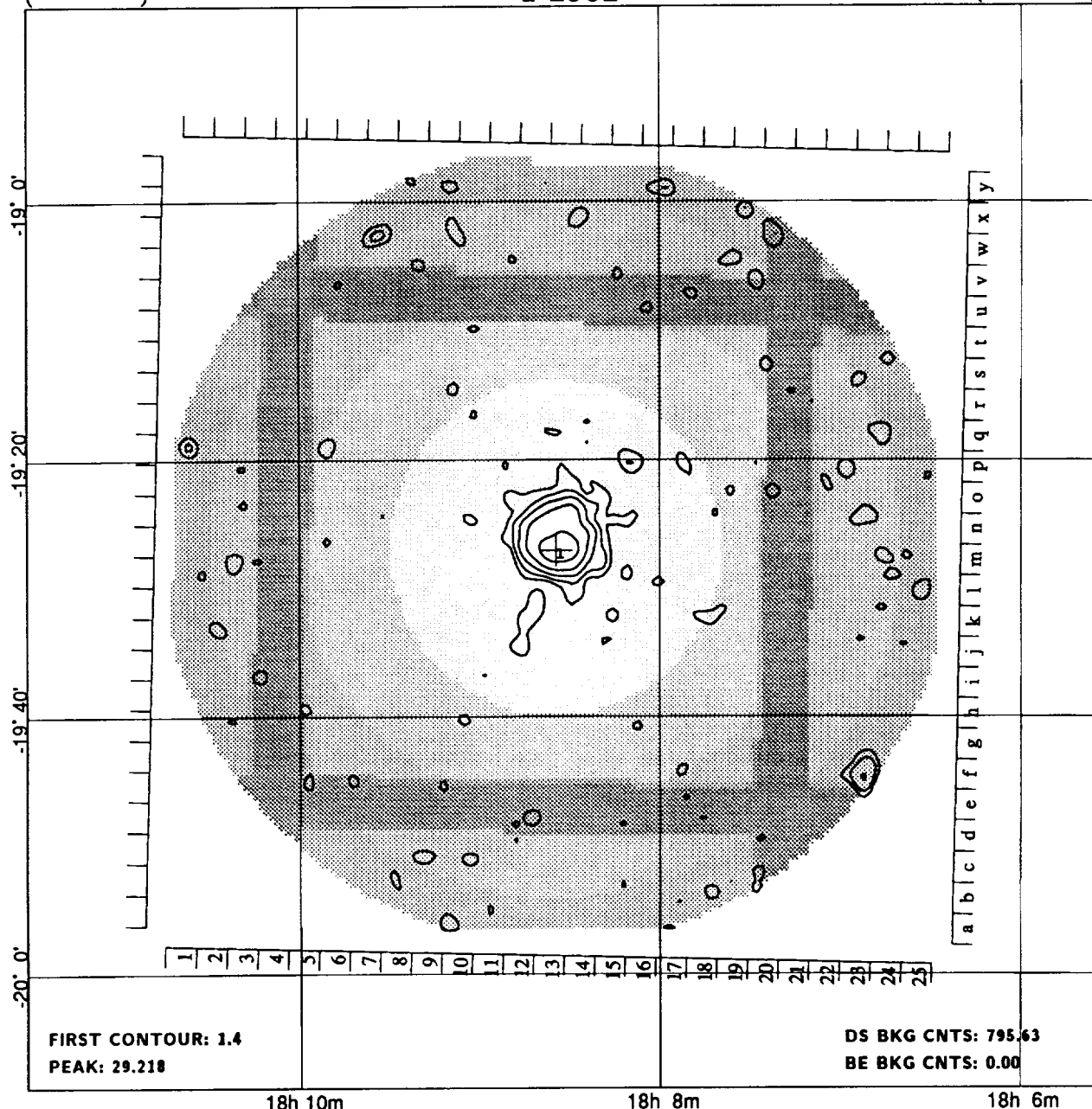
DATE: 1980/147 - 1980/147
LIVETIME: 979.6s
ROLL ANGLE: -26.6°

NH: 3.6E+20
REF/ID:
FIELD FLAGS: L

(18h 8m)

I 2902

(18h 8m)



HISTORICAL SUPERNOVAE: SN 3867 IN G11.2-0.3

FIELD CENTER: $18^h 08^m 31.8^s$ $-19^\circ 26' 53''$ (B1950) $18^h 11^m 29.1^s$ $-19^\circ 26' 09''$ (J2000) $l: 11.17$ $b: -0.35$

DATE: 1980/ 91 - 1980/ 91

LIVETIME: 644.7s

ROLL ANGLE: -88.6° NH: $1.2E+22$

REF/ID: SNR

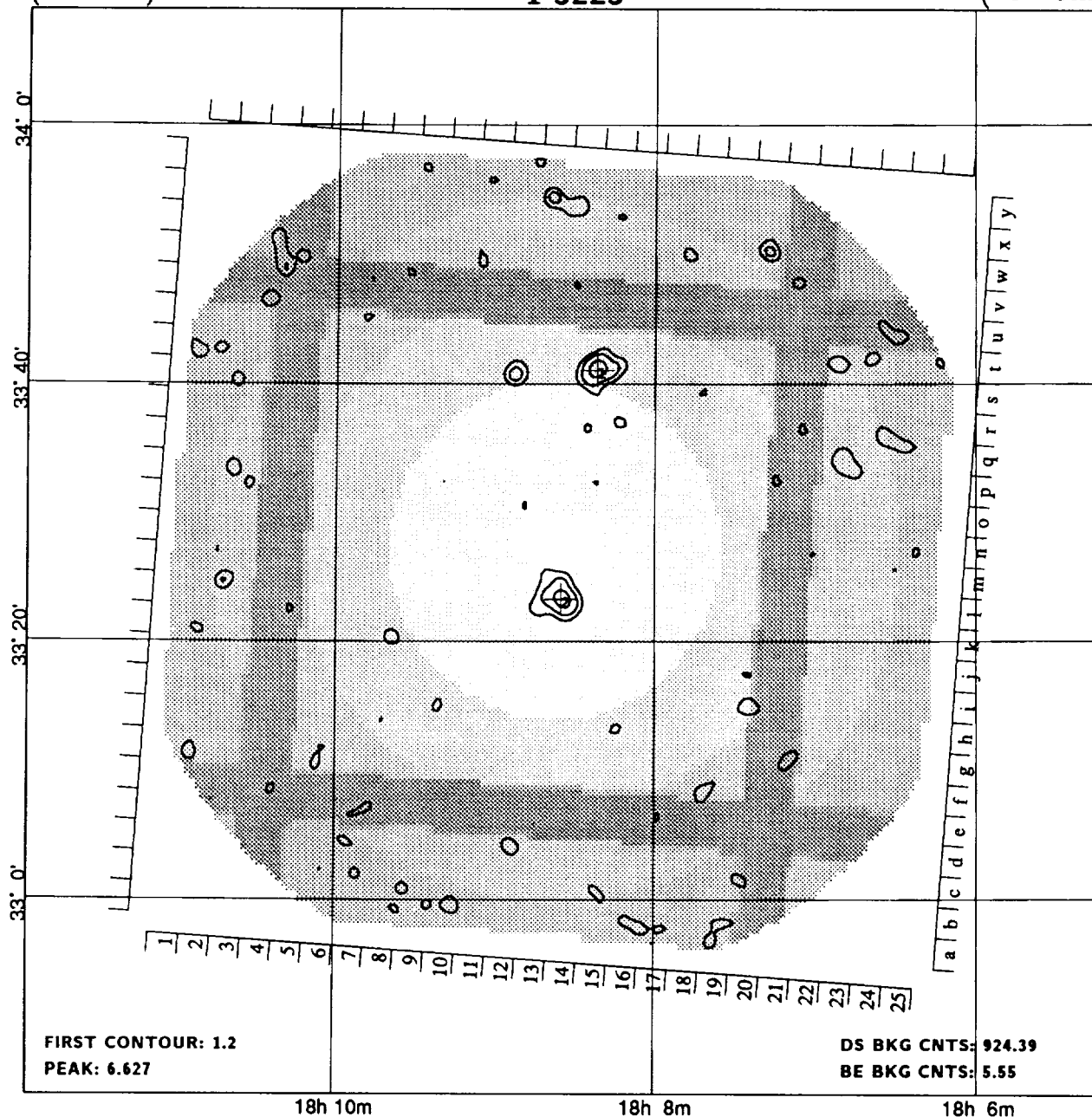
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4029	1L	18 08 34.5	-19 27 02	31	0.167	0.033	80.1	82.9	5.0	2.7	0	0.5		SNR

(18h 8m)

I 3225

(18h 8m)



RS CVN SYSTEMS: PW HER

FIELD CENTER: $18^{\text{h}}08^{\text{m}}34.3^{\text{s}}$ $33^{\circ}26'59''$ (B1950)
 $18^{\text{h}}10^{\text{m}}24.0^{\text{s}}$ $33^{\circ}27'41''$ (J2000)
 $l: 60.19$ $b: 22.56$

DATE: 1979/ 86 - 1979/ 86
 LIVETIME: 749.1s
 ROLL ANGLE: -86.0°

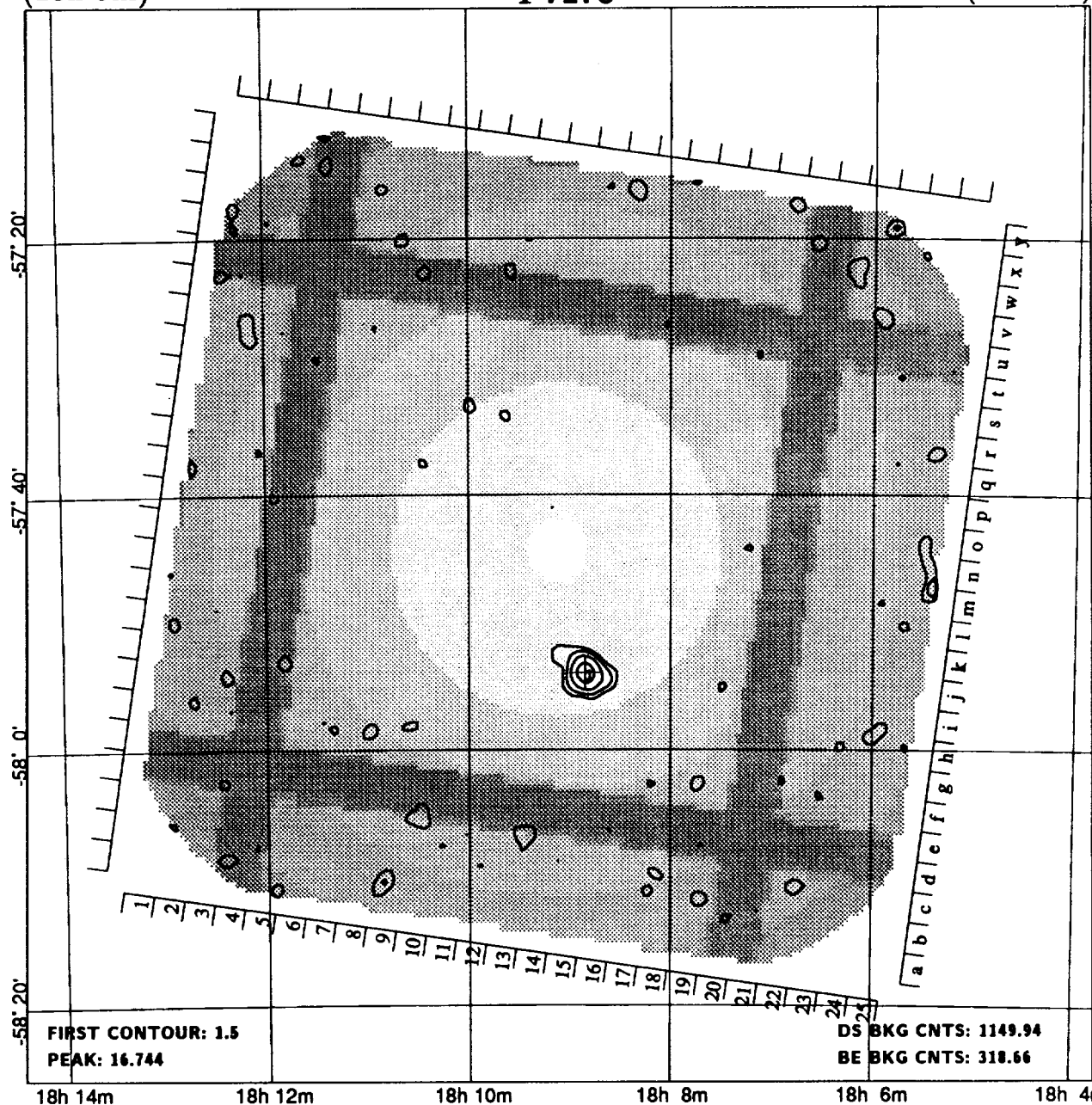
NH: $5.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4028	1	18 08 21.8	33 41 02	42	0.042	0.010	19.0	2.0	4.2	1.1	0	13.9	H	
4030	2	18 08 35.3	33 23 14	36	0.0432	0.0094	23.4	2.6	4.6	1.1	0	3.3	H	CV

(18h 9m)

I 7278

(18h 9m)



F44-46, PECULIAR GALAXY

FIELD CENTER: $18^{\text{h}}09^{\text{m}}05.8^{\text{s}}$ $-57^{\circ}43'59''$ (B1950)
 $18^{\text{h}}13^{\text{m}}25.3^{\text{s}}$ $-57^{\circ}43'10''$ (J2000)
 l : 336.54 b : -17.88

DATE: 1980/ 69 - 1980/ 69
 LIVETIME: 931.8s
 ROLL ANGLE: -81.8°

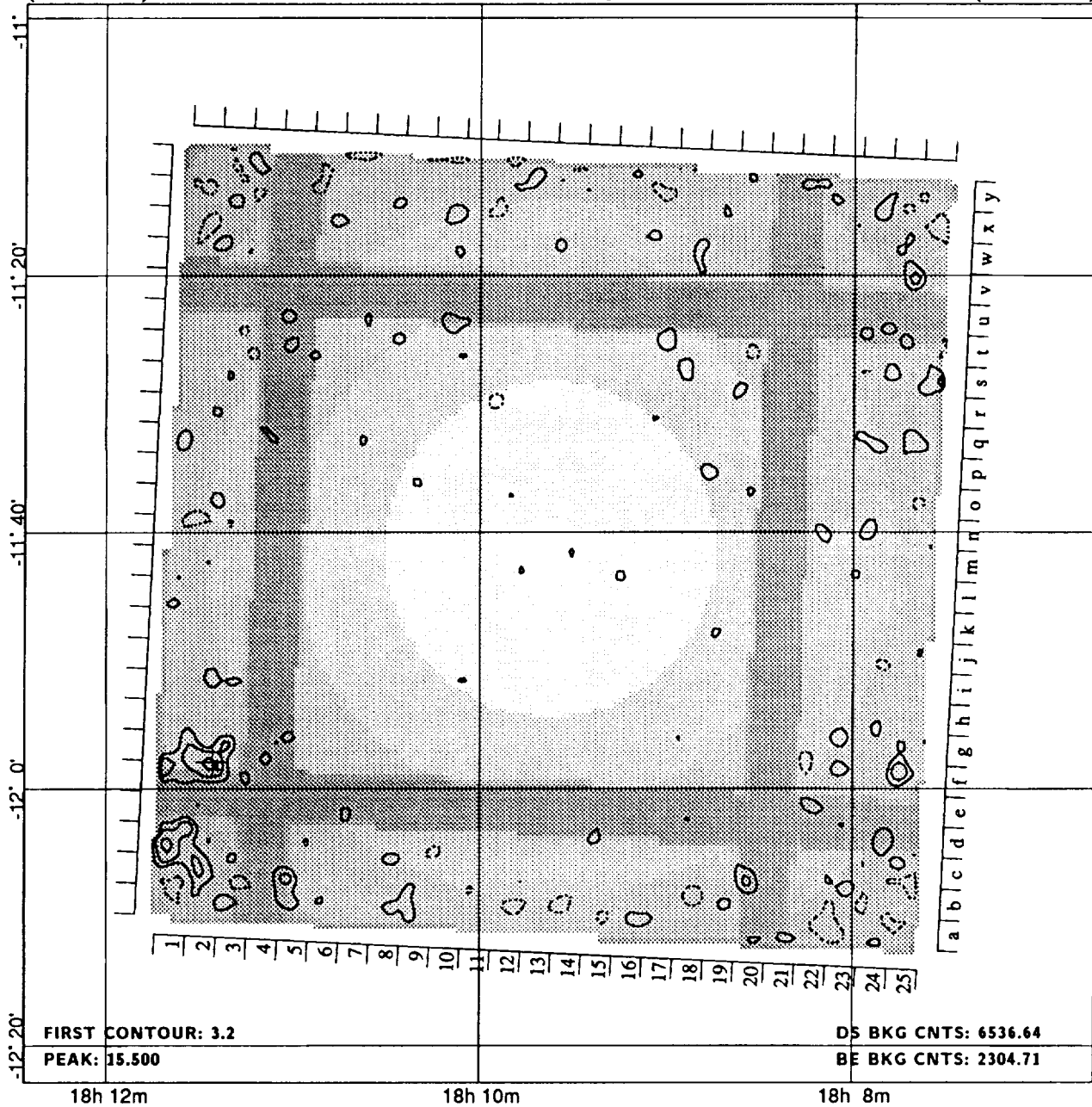
NH: $8.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4032	1	18 08 50.8	-57 53 59	41	0.096	0.013	59.5	3.5	7.5	1.1	0	10.2	H

(18h 9m)

I 7270

(18h 9m)



SS 143, STRONG EMISSION LINE STAR

FIELD CENTER: $18^{\text{h}}09^{\text{m}}34.5^{\text{s}}$ $-11^{\circ}40'54''$ (B1950)
 $18^{\text{h}}12^{\text{m}}22.1^{\text{s}}$ $-11^{\circ}40'06''$ (J2000)
 $l: 18.09$ $b: 3.19$

DATE: 1981/ 90 - 1981/ 90
 LIVETIME: 5296.8s
 ROLL ANGLE: -87.3°

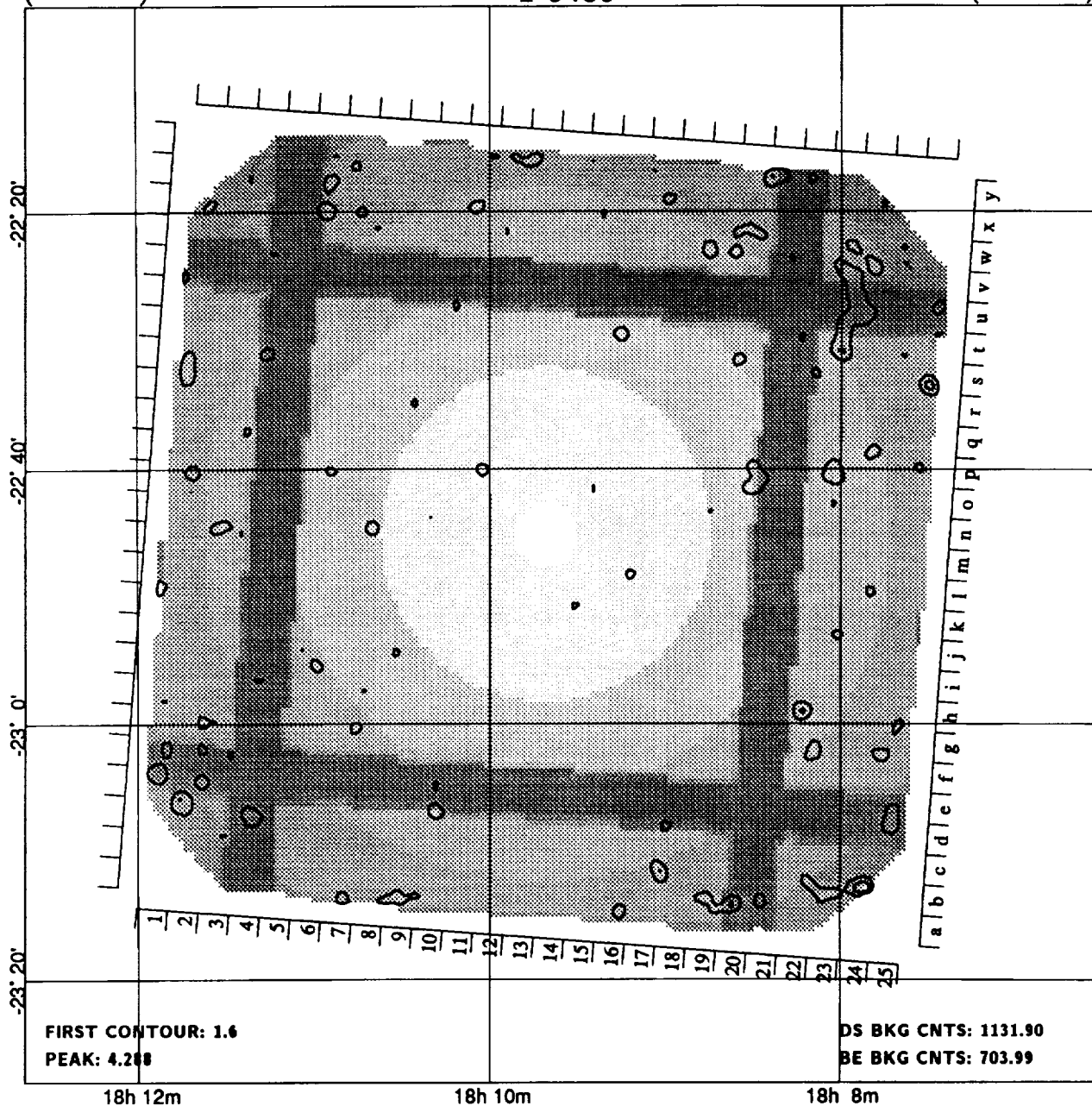
NH: $5.8\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4042	1	18 11 25.9	-11 57 53	55	*0.0142	0.0034	24.8	10.2	4.2	1.7	703	32.2	H

(18h 9m)

I 6439

(18h 9m)



TERZAN 12, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^{\text{h}}09^{\text{m}}35.8^{\text{s}}$ $-22^{\circ}45'59''$ (B1950)
 $18^{\text{h}}12^{\text{m}}37.6^{\text{s}}$ $-22^{\circ}45'11''$ (J2000)
 $l: 8.39$ $b: -2.18$

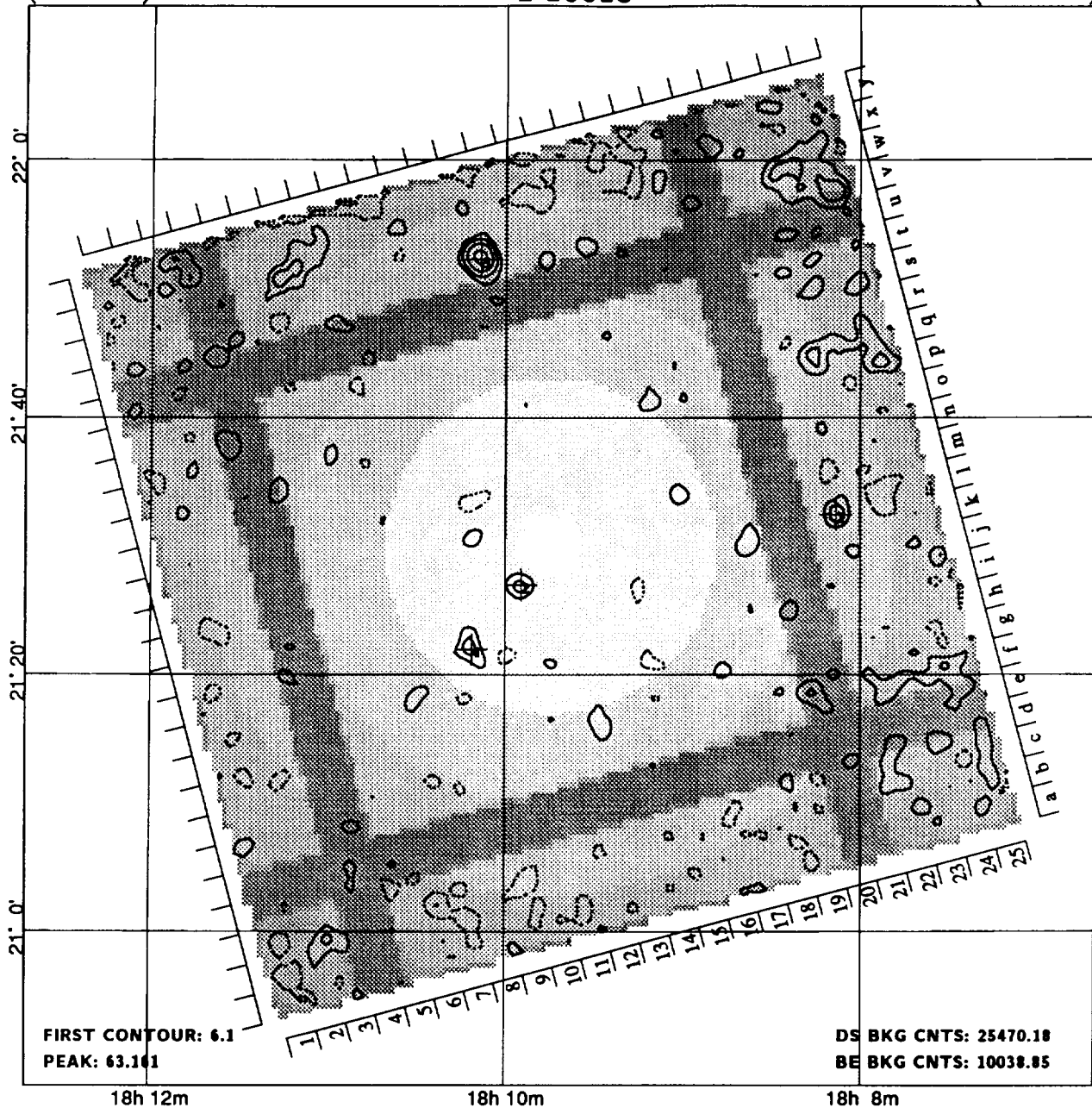
DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 950.2s
 ROLL ANGLE: -85.7°

NH: $7.0\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 9m)

I 10613

(18h 9m)



POOR GROUP 192

FIELD CENTER: $18^{\text{h}}09^{\text{m}}41.8^{\circ}$ $21^{\circ}29'59''$ (B1950)
 $18^{\text{h}}11^{\text{m}}49.3^{\circ}$ $21^{\circ}30'47''$ (J2000)
 $l: 48.39$ $b: 18.04$

DATE: 1981/ 60 - 1981/ 60
 LIVETIME: 20639.3s
 ROLL ANGLE: -104.9°

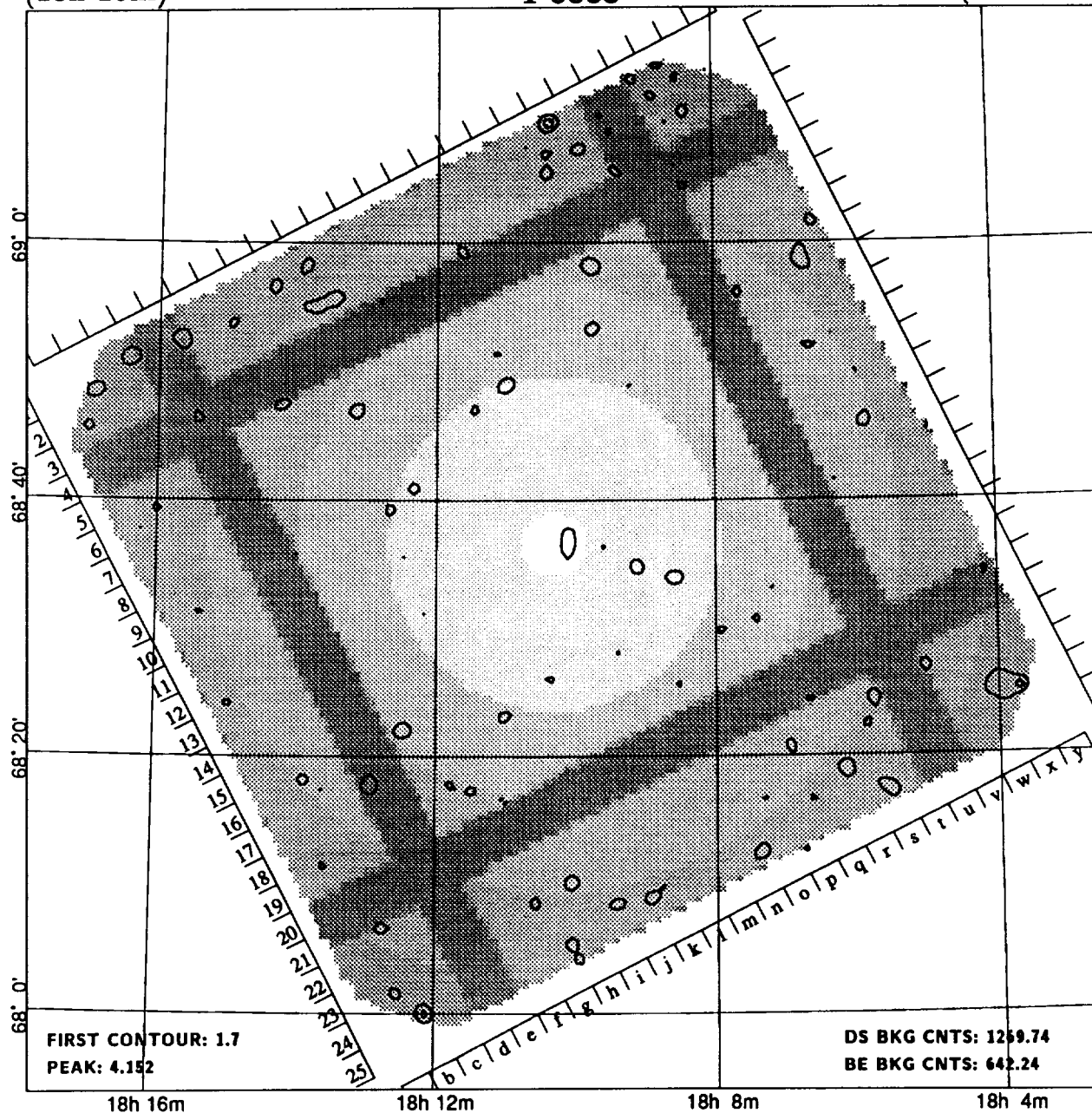
NH: $9.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4027	1L	18 08 08.2	21 32 28	55	0.0058	0.0013	56.2	52.8	4.2	0.7	100	21.8		
4035	2L	18 09 54.6	21 27 03	35	0.0048	0.0010	72.1	73.9	4.7	0.6	0	4.4		
4037	3L	18 10 08.5	21 52 18	48	0.0147	0.0017	140.0	50.0	8.4	0.9	200	23.2		
4038	4L	18 10 11.3	21 22 00	41	0.0040	0.0011	55.0	87.0	3.6	0.7	0	10.7		

(18h 10m)

I 8885

(18h 10m)



GSFC NEP SURVEY - FIELD # 152 6 -1

FIELD CENTER: $18^{\text{h}}10^{\text{m}}09.7^{\text{s}}$ $68^{\circ}36'18''$ (B1950)
 $18^{\text{h}}09^{\text{m}}53.1^{\text{s}}$ $68^{\circ}37'02''$ (J2000)
 $l: 98.75$ $b: 28.89$

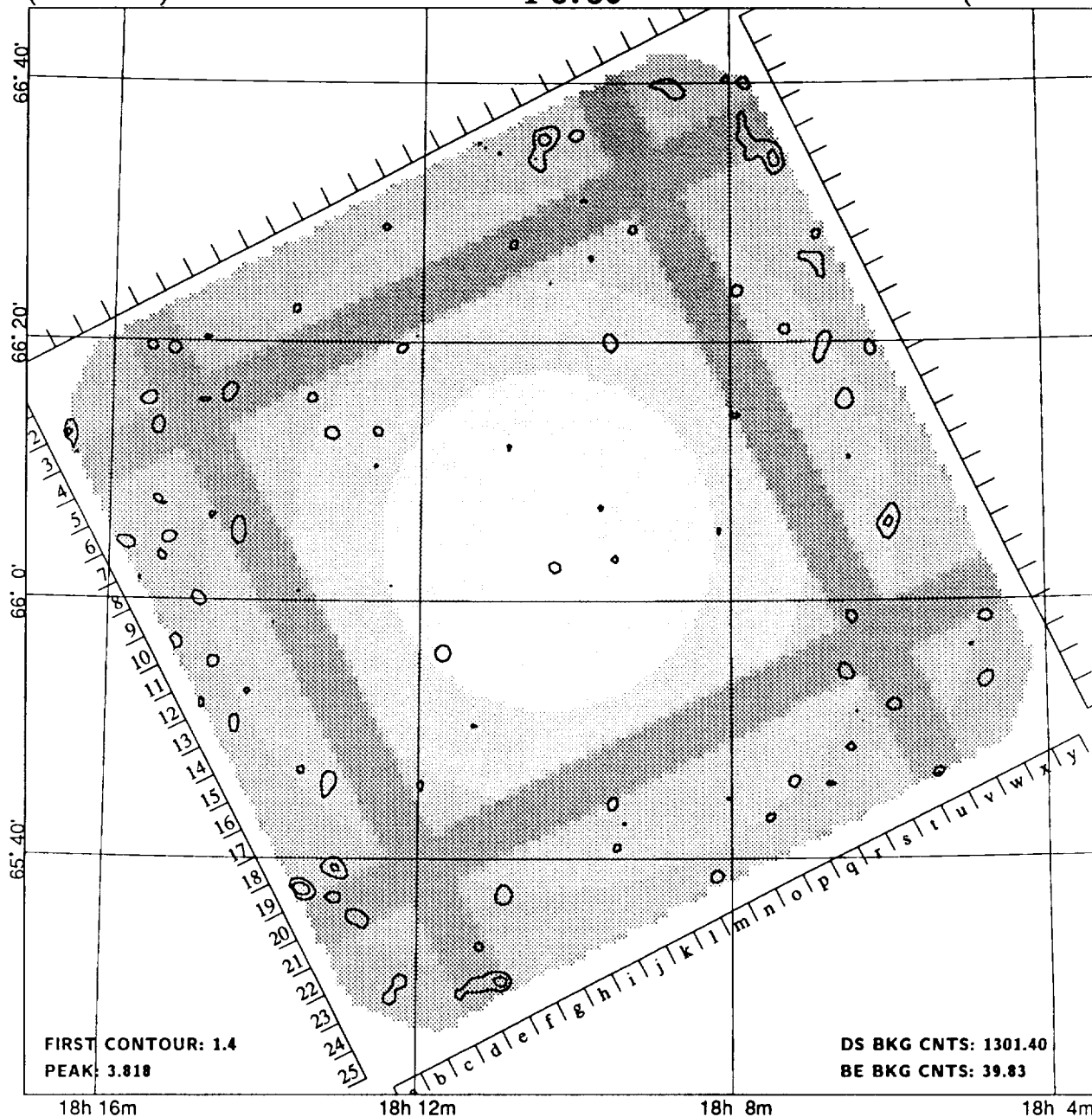
DATE: 1980/148 - 1980/148
 LIVETIME: 1028.9s
 ROLL ANGLE: -27.0°

NH: $5.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 10m)

I 8736

(18h 10m)



FIELD CENTER: $18^h 10^m 10.3^s$ $66^\circ 03' 51''$ (B1950)
 $18^h 10^m 13.7^s$ $66^\circ 04' 36''$ (J2000)
 $l: 95.86$ $b: 28.77$

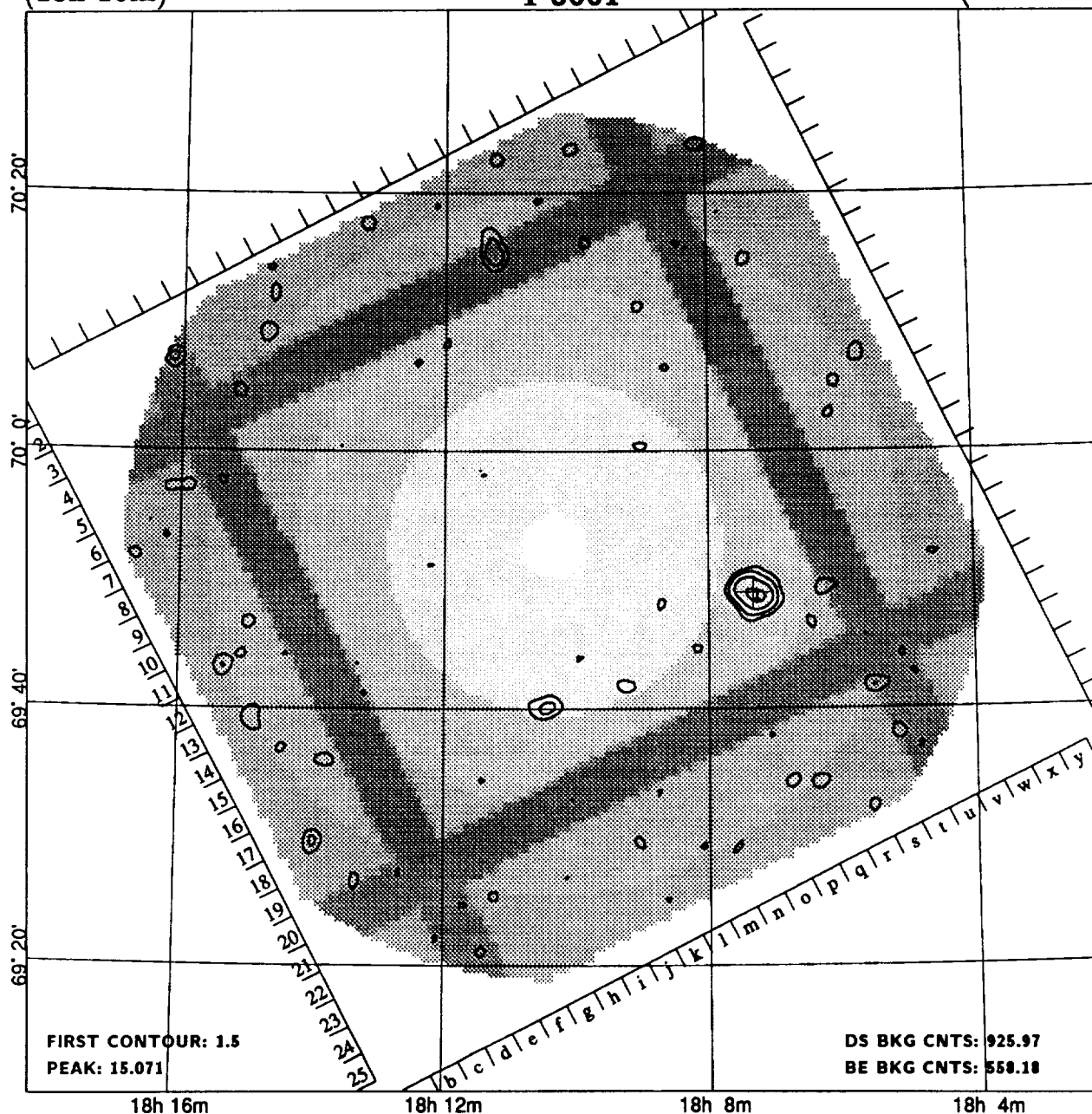
DATE: 1980/149 - 1980/149
LIVETIME: 1054.6s
ROLL ANGLE: -27.1°

NH: $4.3E+20$
REF/ID:
FIELD FLAGS:

(18h 10m)

I 8661

(18h 10m)



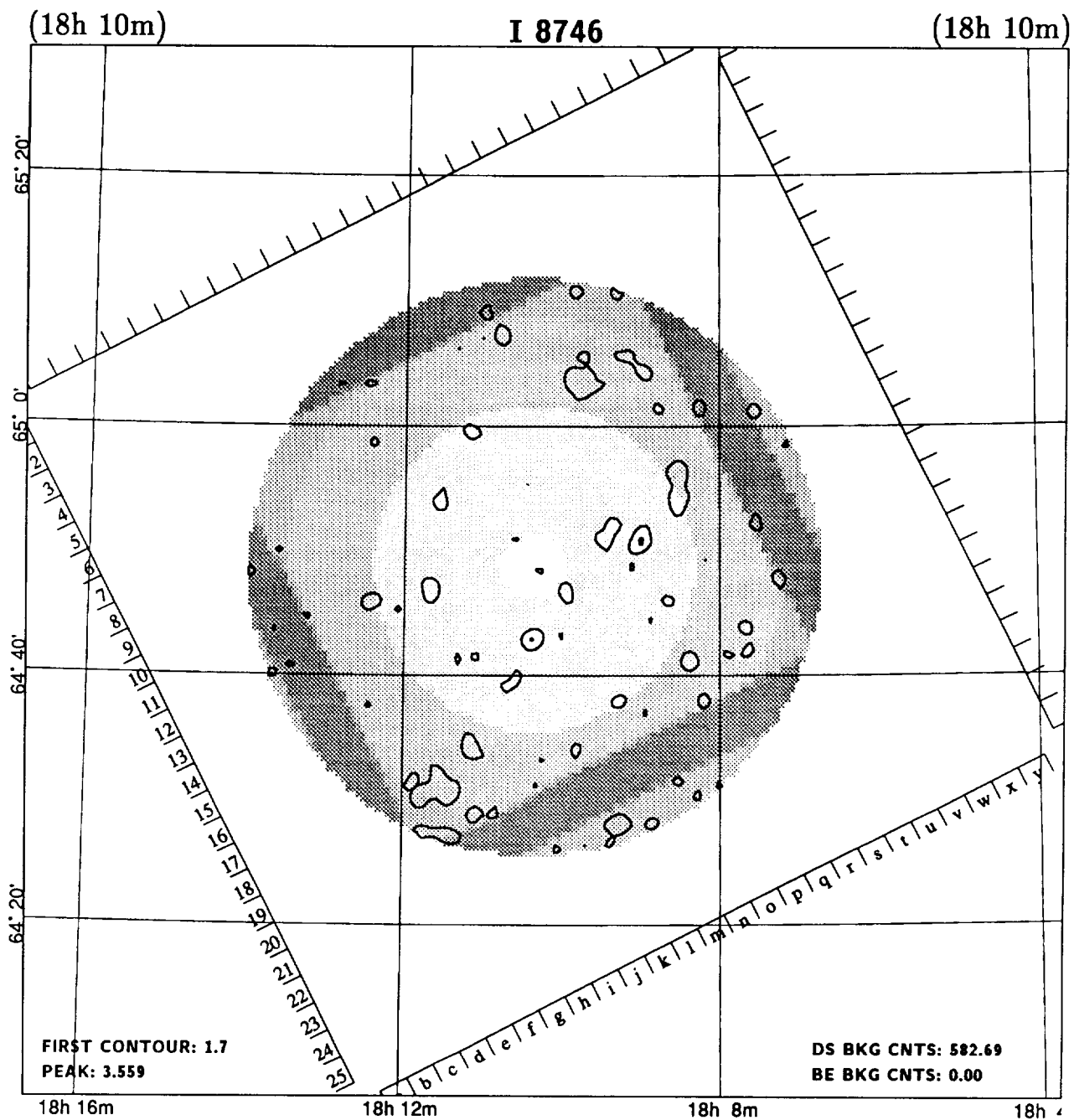
GSFC NEP SURVEY - FIELD # 167 -7 -2

FIELD CENTER: $18^{\text{h}}10^{\text{m}}10.5^{\text{s}}$ $69^{\circ}52'16''$ (B1950)
 $18^{\text{h}}09^{\text{m}}42.1^{\text{s}}$ $69^{\circ}52'59''$ (J2000)
 $l: 100.20$ $b: 28.92$

DATE: 1980/149 - 1980/149
 LIVETIME: 750.3s
 ROLL ANGLE: -27.1°

NH: $5.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4023	1	18 07 19.9	69 49 01	41	0.116	0.017	50.2	2.8	6.9	1.2	0	14.9	AH	BL



GSFC NEP SURVEY - FIELD # 13 -1 2

FIELD CENTER: $18^h 10^m 13.4^s$ $64^\circ 48' 20''$ (B1950)
 $18^h 10^m 25.3^s$ $64^\circ 49' 05''$ (J2000)
 $l: 94.42$ $b: 28.69$

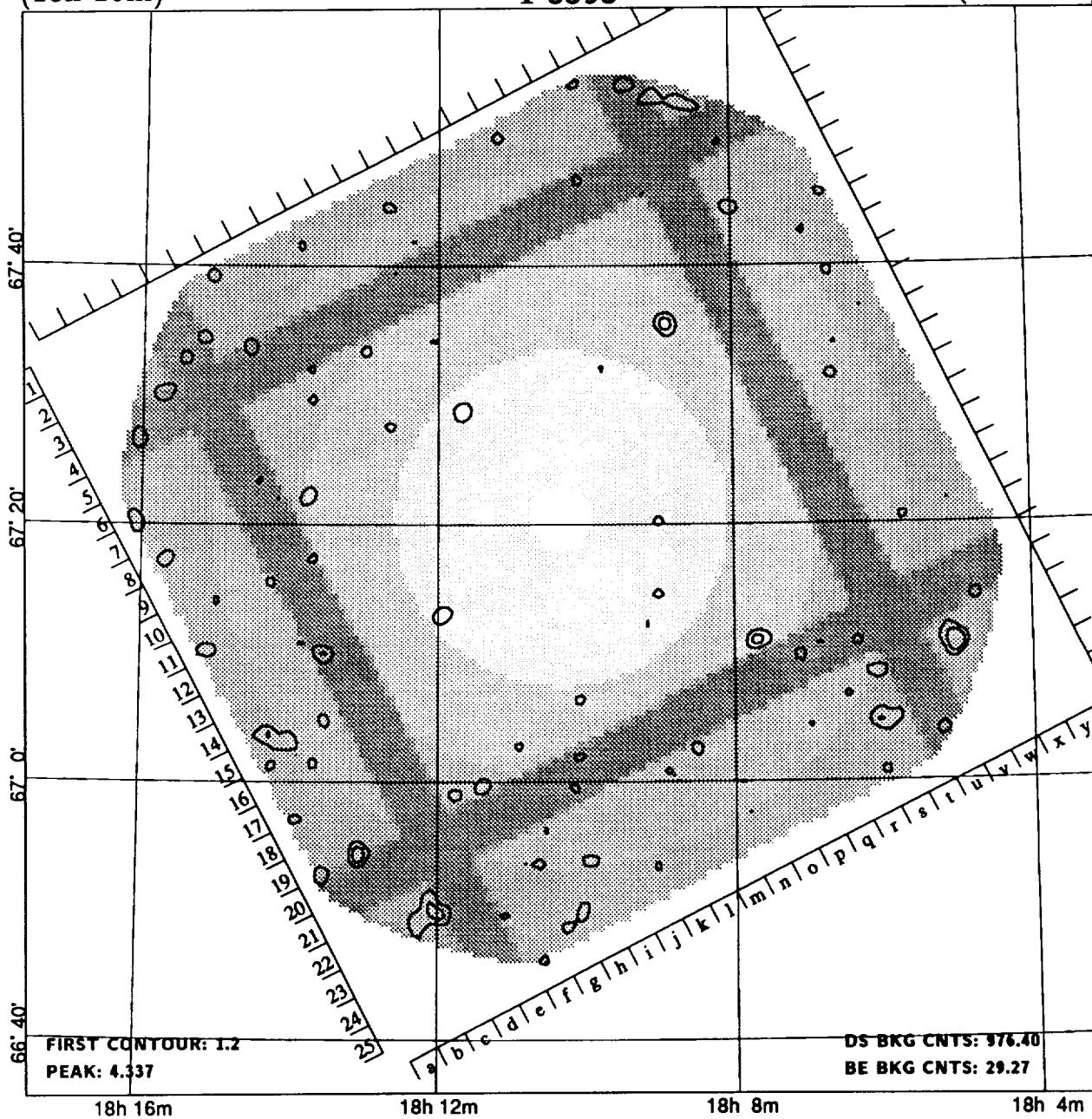
DATE: 1980/146 - 1980/146
 LIVETIME: 472.2s
 ROLL ANGLE: -27.1°

NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS: L

(18h 10m)

I 8593

(18h 10m)



GSFC NEP SURVEY - FIELD # 99 - 5 - 2

FIELD CENTER: $18^h 10^m 18.4^s$ $67^\circ 17' 57''$ (B1950)
 $18^h 10^m 12.6^s$ $67^\circ 18' 42''$ (J2000)
 $l: 97.26$ $b: 28.82$

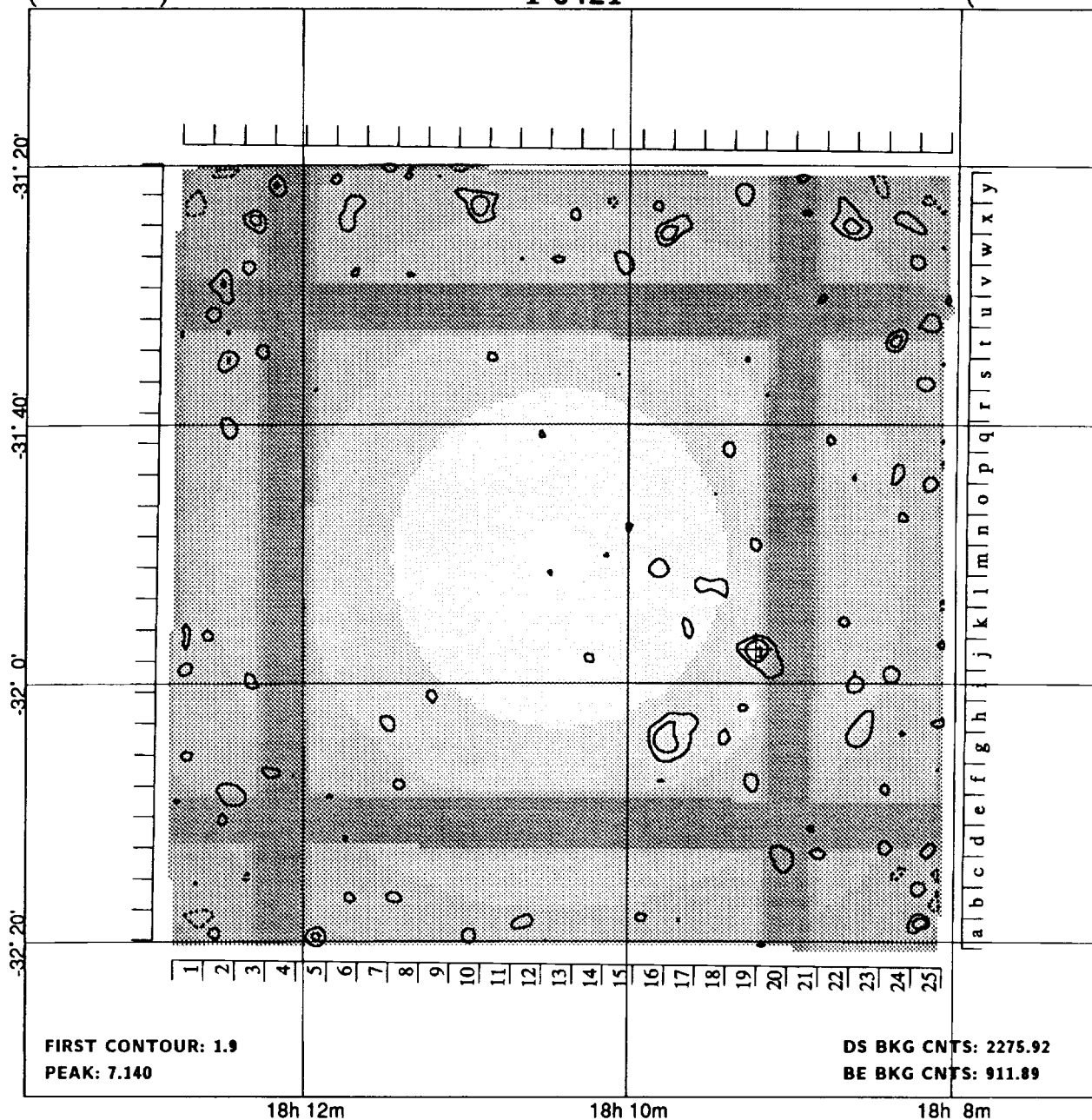
DATE: 1980/149 - 1980/149
 LIVETIME: 791.2s
 ROLL ANGLE: -27.0°

NH: $4.8E+20$
 REF/ID:
 FIELD FLAGS:

(18h 10m)

I 6421

(18h 10m)



NGC 6569, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^h 10^m 23.8^s$ $-31^\circ 49' 59''$ (B1950) $18^h 13^m 39.0^s$ $-31^\circ 49' 07''$ (J2000) $l: 0.49$ $b: -6.68$

DATE: 1980/ 85 - 1980/ 85

LIVETIME: 1910.5s

ROLL ANGLE: -89.4° NH: $2.1E+21$

REF/ID:

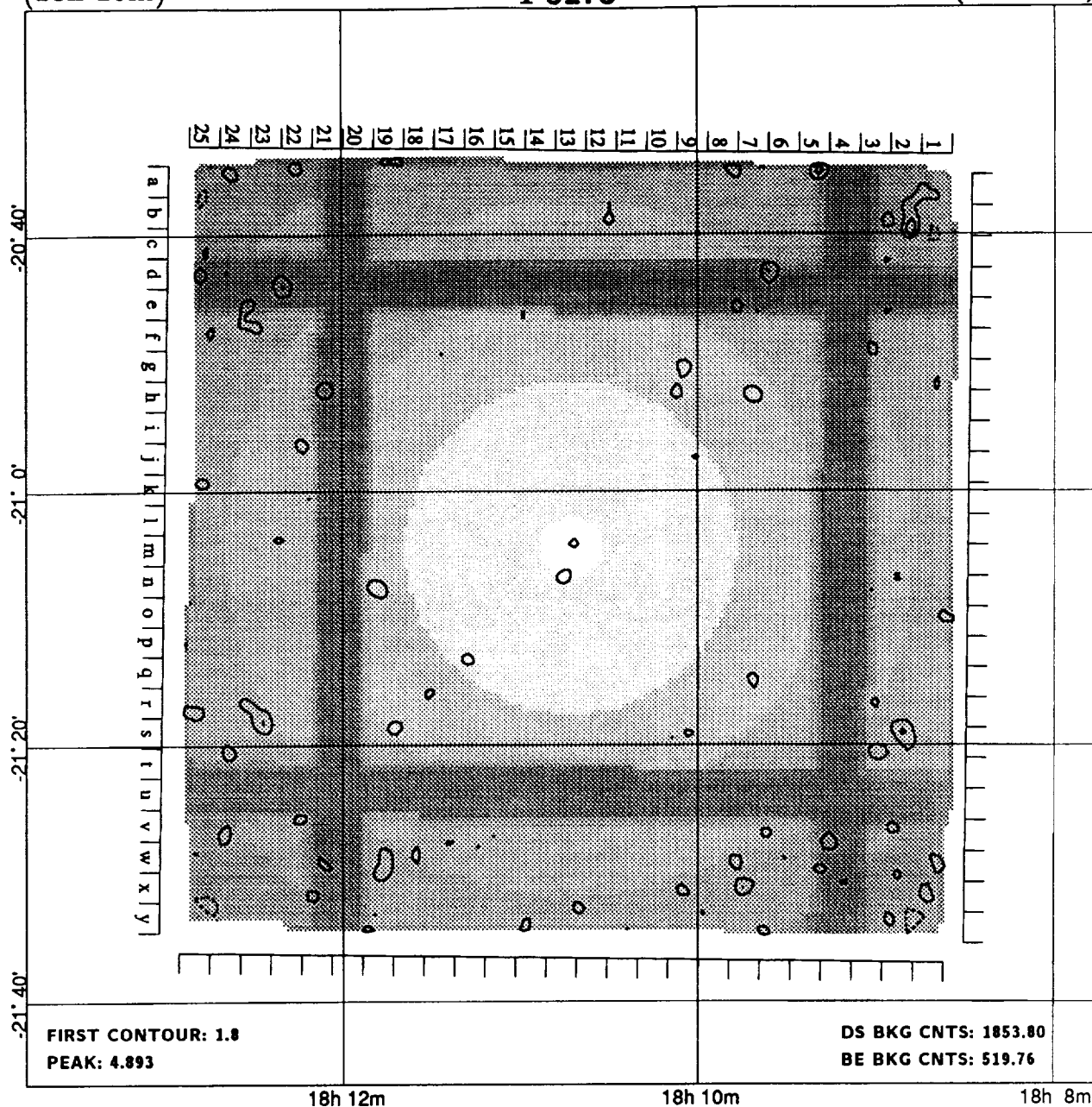
FIELD FLAGS: L

CAT	FLD	RA	DEC	\pm	COUNT	\pm	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
4033	1L	18 09 13.0	-31 57 22	52	*0.0263	0.0071	28.1	1.9	3.5	1.0	703	16.8		

(18h 10m)

I 3275

(18h 10m)



CANDIDATE X-RAY BINARY SOURCES: HD 166937

FIELD CENTER: $18^{\text{h}}10^{\text{m}}46.0^{\text{s}}$ $-21^{\circ}04'23''$ (B1950)
 $18^{\text{h}}13^{\text{m}}45.4^{\text{s}}$ $-21^{\circ}03'30''$ (J2000)
 l : 10.00 b : -1.60

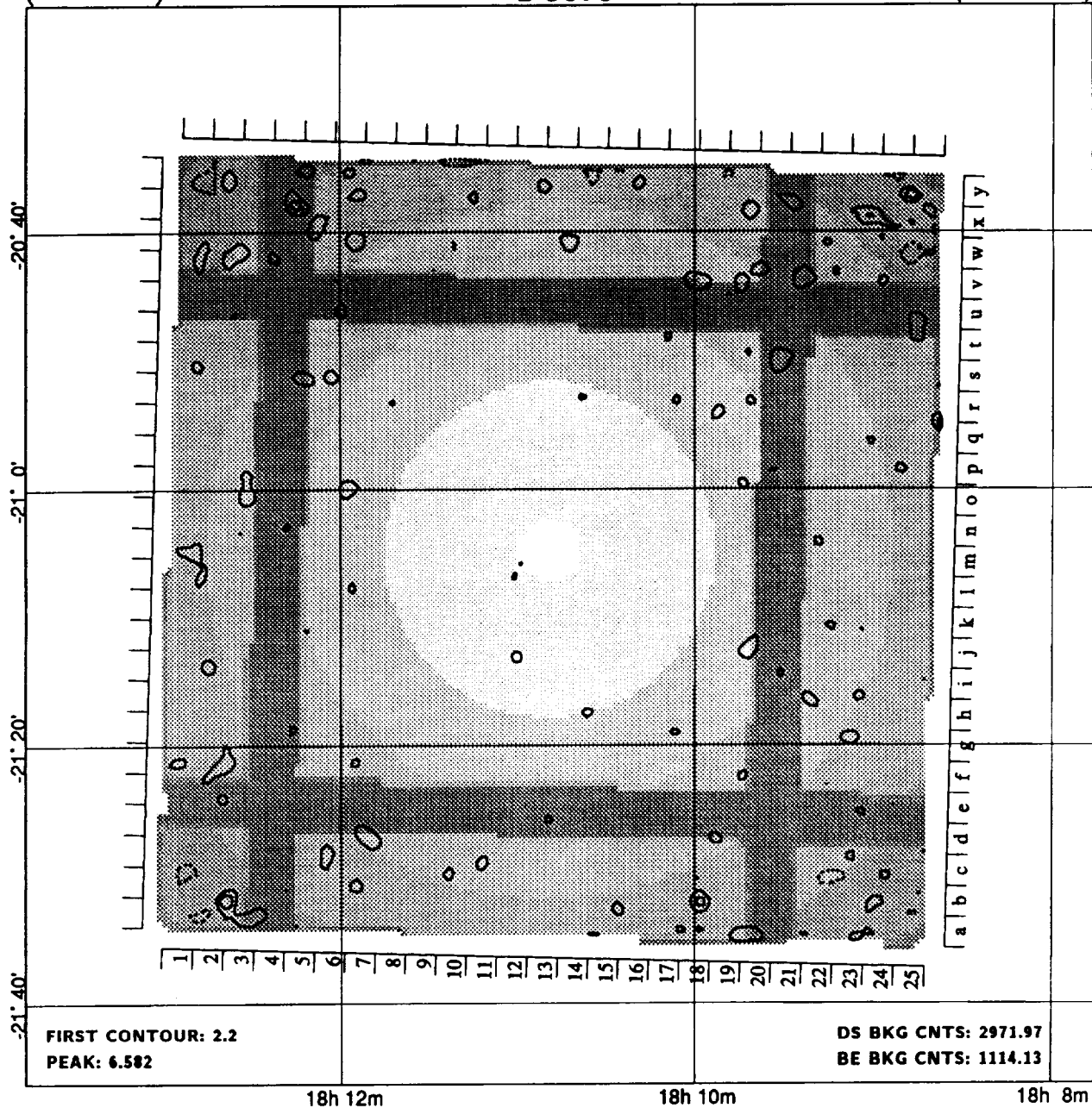
DATE: 1979/264 - 1979/264
 LIVETIME: 1502.2s
 ROLL ANGLE: 90.8°

NH: $8.7\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 10m)

I 5073

(18h 10m)

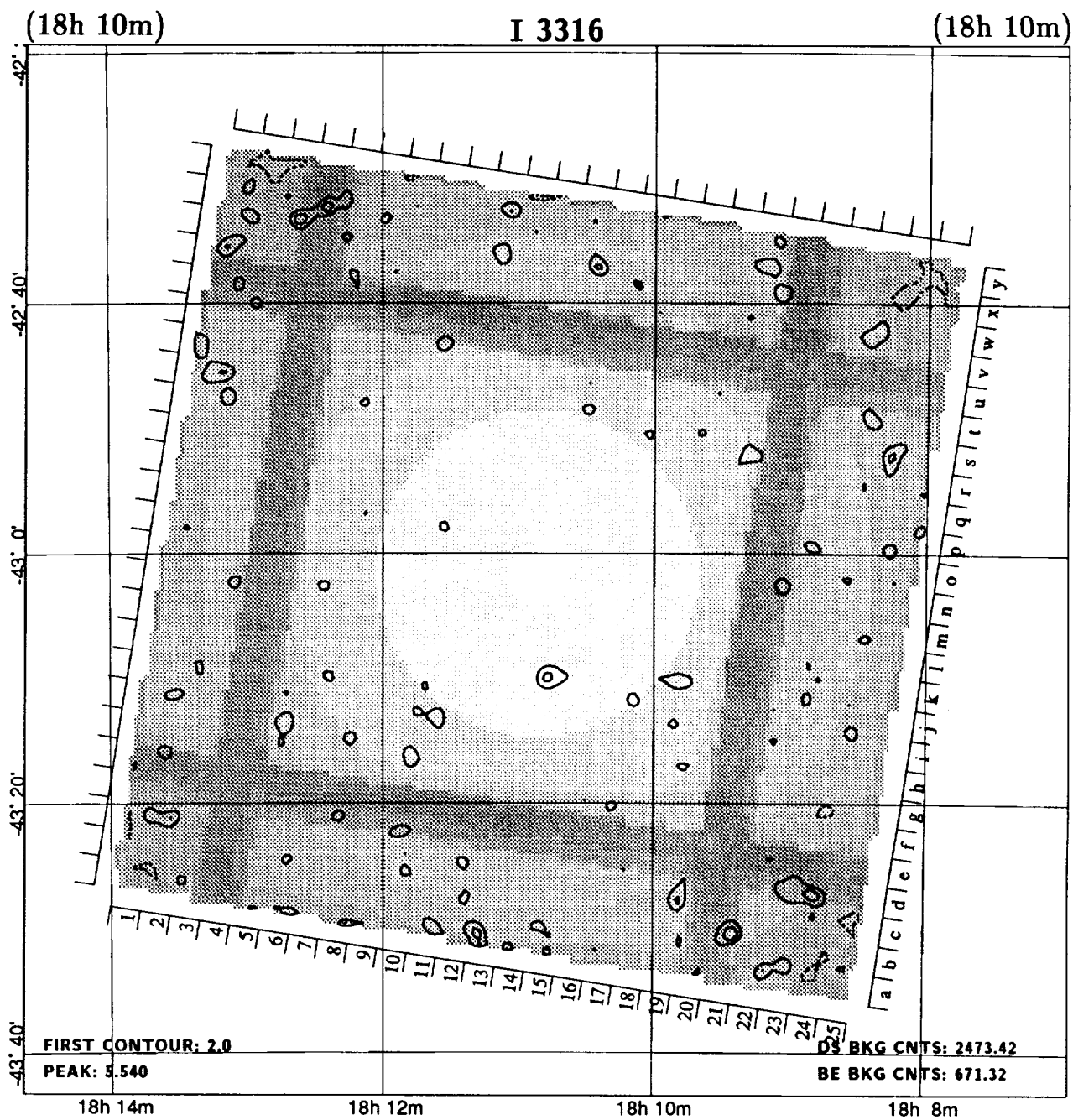


MU SGR, LUMINOUS EARLY-TYPE STAR

FIELD CENTER: $18^{\text{h}}10^{\text{m}}46.1^{\text{s}}$ $-21^{\circ}04'24''$ (B1950)
 $18^{\text{h}}13^{\text{m}}45.6^{\text{s}}$ $-21^{\circ}03'31''$ (J2000)
 l : 10.00 b : -1.60

DATE: 1980/ 96 - 1980/ 96
 LIVETIME: 2494.8s
 ROLL ANGLE: -88.5°

NH: 8.7E+21
 REF/ID:
 FIELD FLAGS: L



FIELD CENTER: $18^h 10^m 47.1^s$ $-43^\circ 01' 25''$ (B1950)
 $18^h 14^m 23.1^s$ $-43^\circ 00' 30''$ (J2000)
 l : 350.46 b : -11.90

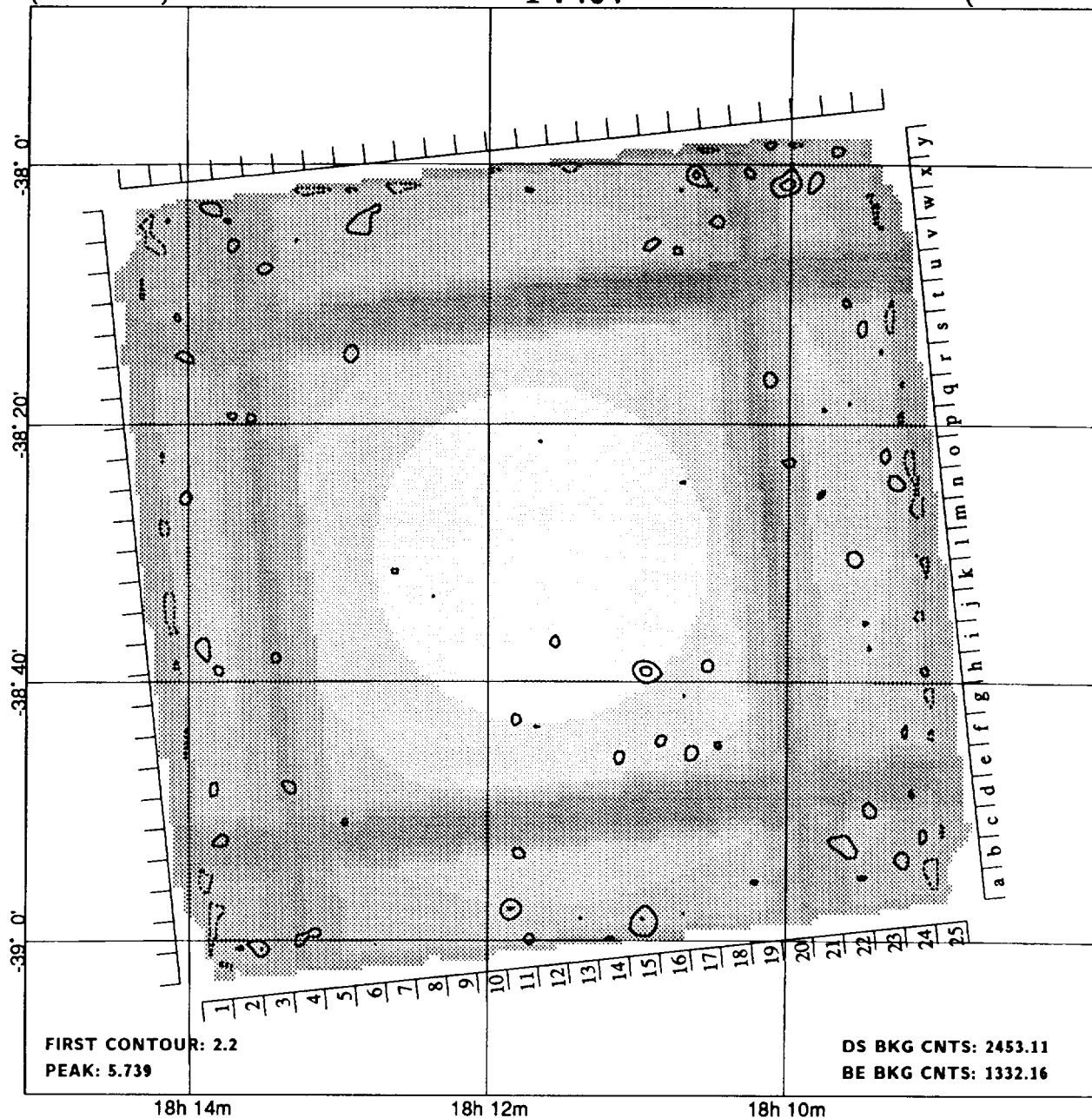
DATE: 1980/ 69 - 1980/ 69
 LIVETIME: 2004.3s
 ROLL ANGLE: -81.2°

NH: $9.0E+20$
 REF/ID: S
 FIELD FLAGS:

(18h 11m)

I 7464

(18h 11m)



G348.5+1, SMALL DIAMETER SNR

FIELD CENTER: $18^{\text{h}}11^{\text{m}}29.8^{\text{s}}$ $-38^{\circ}29'59''$ (B1950)
 $18^{\text{h}}14^{\text{m}}56.6^{\text{s}}$ $-38^{\circ}29'02''$ (J2000)
 $l: 354.63$ $b: -9.98$

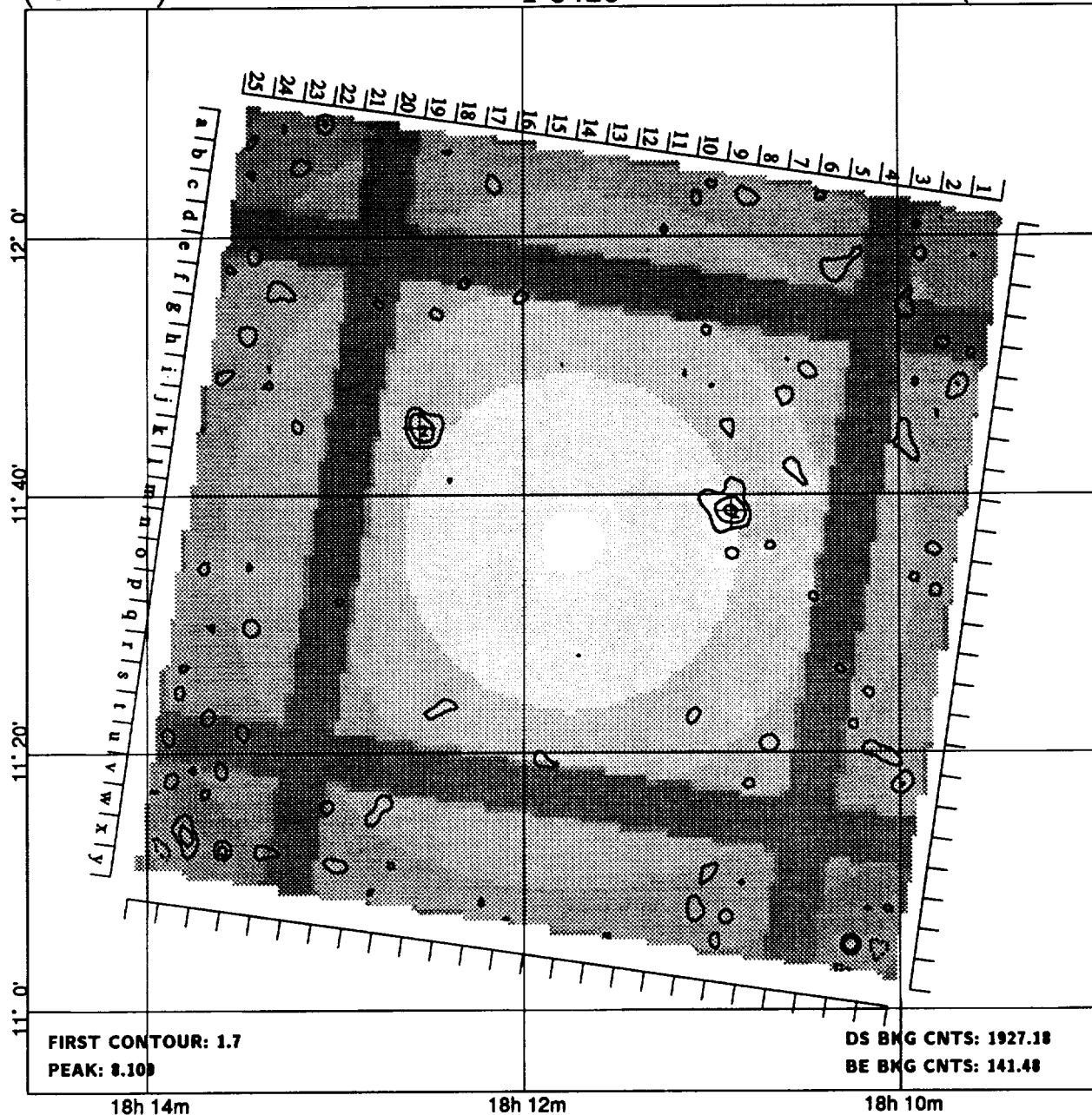
DATE: 1980/ 97 - 1980/ 97
 LIVETIME: 2059.2s
 ROLL ANGLE: -96.1°

NH: $1.1\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 11m)

I 8420

(18h 11m)



V 849 OPH, CATAclysmic VARIABLES

FIELD CENTER: $18^h 11^m 46.8^s$ $11^\circ 35' 48''$ (B1950)
 $18^h 14^m 06.9^s$ $11^\circ 36' 45''$ (J2000)
 $l: 39.23$ $b: 13.48$

DATE: 1980/282 - 1980/282
 LIVETIME: 1561.6s
 ROLL ANGLE: 98.3°

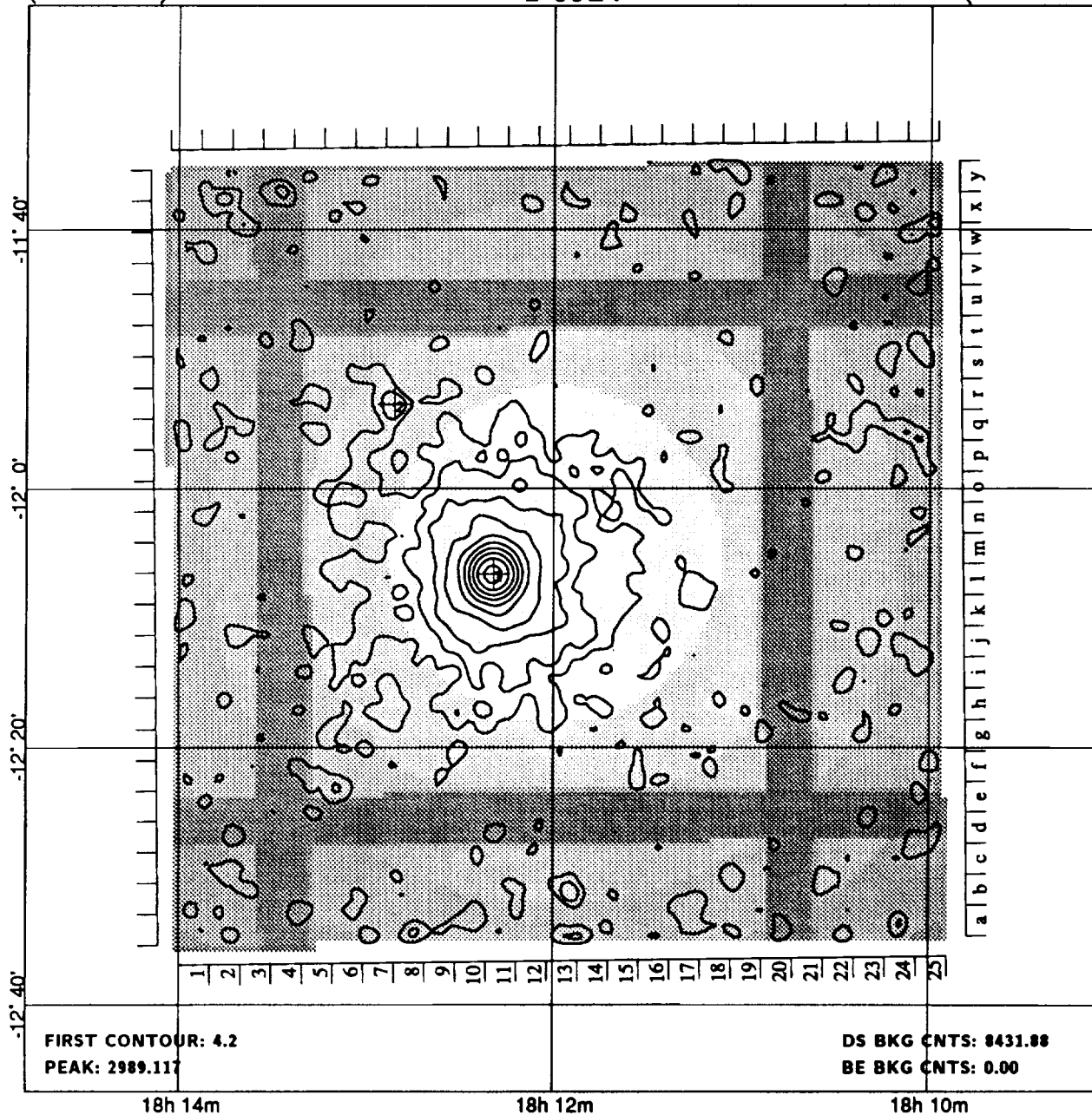
NH: $9.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4040	1	18 10 53.6	11 38 43	42	0.0230	0.0053	22.6	4.4	4.4	1.1	0	13.3	H
4046	2	18 12 33.4	11 45 10	43	0.0179	0.0049	16.7	4.3	3.6	1.0	0	15.0	

(18h 11m)

I 6924

(18h 11m)



4U 1812-12, GALACTIC SOURCE LOCATIONS & SPECTRA I

FIELD CENTER: $18^{\text{h}}11^{\text{m}}56.8^{\text{s}}$ $-12^{\circ}04'43''$ (B1950)
 $18^{\text{h}}14^{\text{m}}44.8^{\text{s}}$ $-12^{\circ}03'45''$ (J2000)
 $l: 18.02$ $b: 2.49$

DATE: 1981/ 73 - 1981/ 73
 LIVETIME: 6832.6s
 ROLL ANGLE: -90.7°

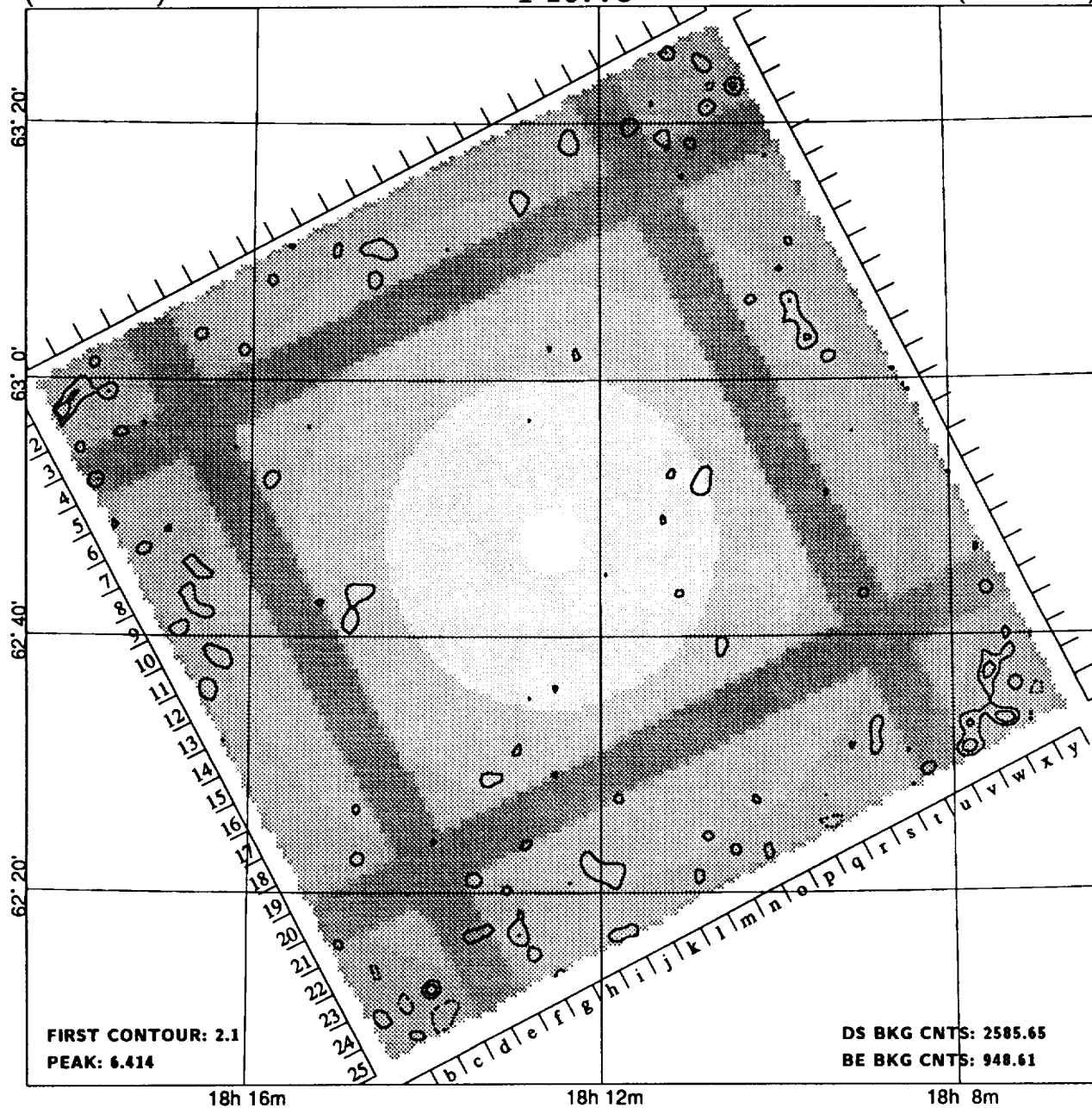
NH: $6.7\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R' "	SRC FLG	ID
4045	1L	18 12 19.3	-12 06 41	37	2.192	0.024	10686.3	424.7	90.9	1.5	0	5.8	A	
4047	2L	18 12 51.0	-11 53 29	51	0.0092	0.0024	34.8	22.2	3.7	283.7	0	17.3	S	

(18h 12m)

I 10773

(18h 12m)

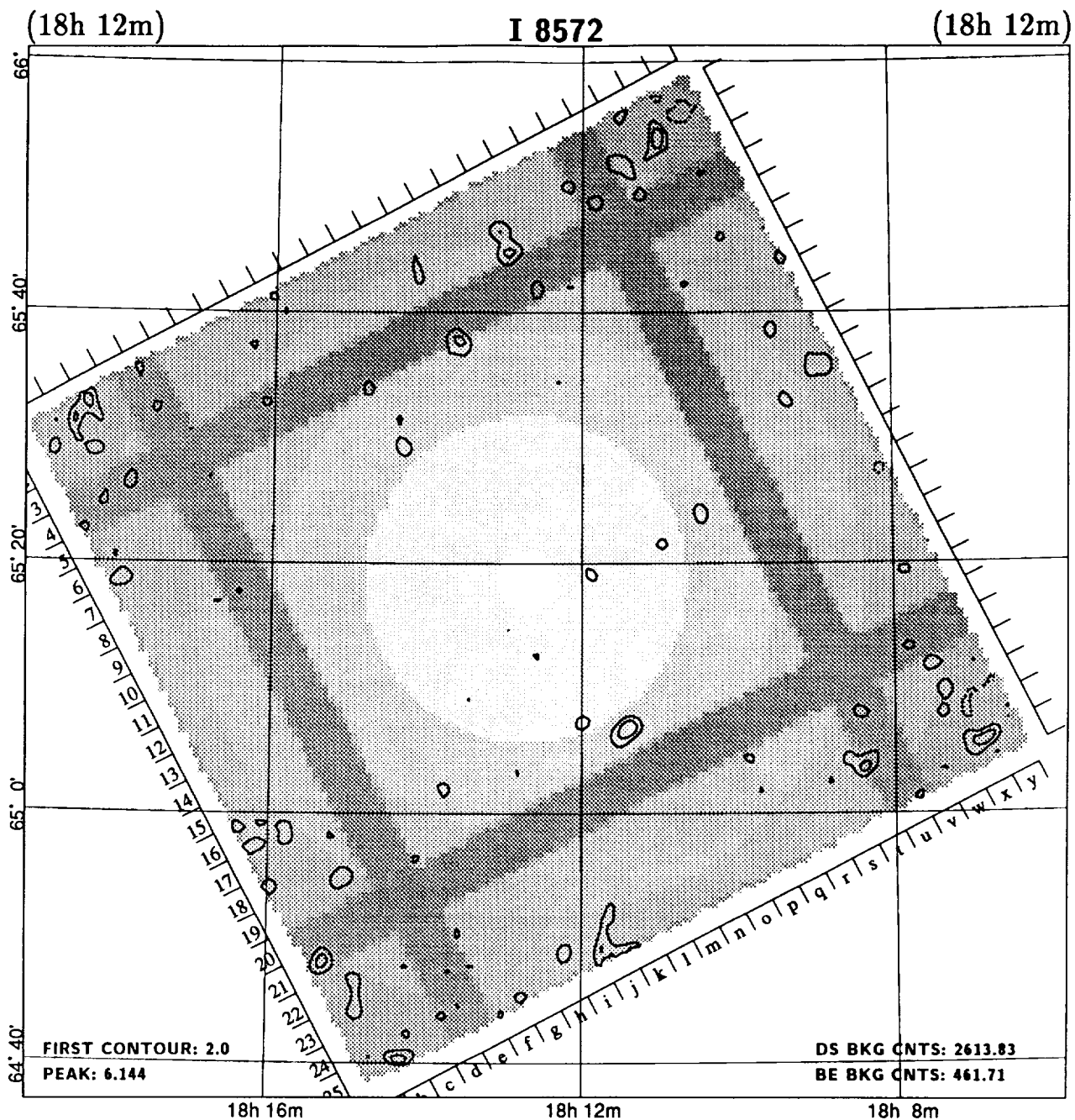


GSFC NEP SURVEY - NEW FIELD

FIELD CENTER: $18^{\text{h}}12^{\text{m}}26.2^{\text{s}}$ $62^{\circ}47'06''$ (B1950)
 $18^{\text{h}}12^{\text{m}}50.2^{\text{s}}$ $62^{\circ}48'01''$ (J2000)
 l : 92.16 b : 28.28

DATE: 1980/147 - 1980/147
LIVETIME: 2095.2s
ROLL ANGLE: -27.6°

NH: $3.7\text{E}+20$
REF/ID:
FIELD FLAGS:

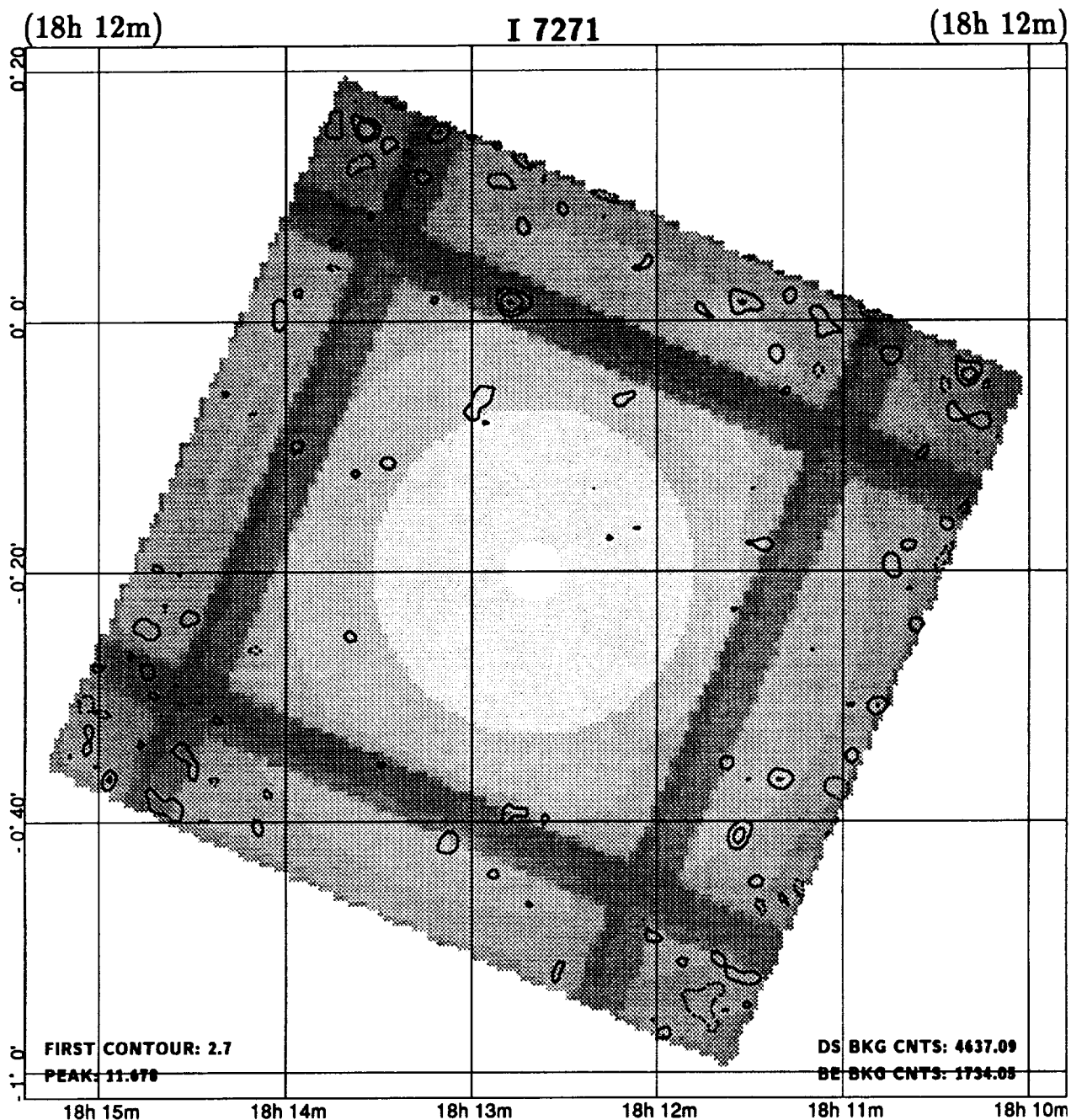


GSFC NEP SURVEY - FIELD # 78 4 0

FIELD CENTER: $18^h 12^m 28.0^s$ $65^\circ 19' 18''$ (B1950)
 $18^h 12^m 36.6^s$ $65^\circ 20' 13''$ (J2000)
 $l: 95.03$ $b: 28.49$

DATE: 1980/150 - 1980/150
 LIVETIME: 2118.1s
 ROLL ANGLE: -27.6°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:



SS 140, STRONG EMISSION LINE STAR

FIELD CENTER: $18^h 12^m 35.8^s$ $-00^\circ 19' 59''$ (B1950)
 $18^h 15^m 10.0^s$ $-00^\circ 18' 59''$ (J2000)
 l : 28.49 b : 7.92

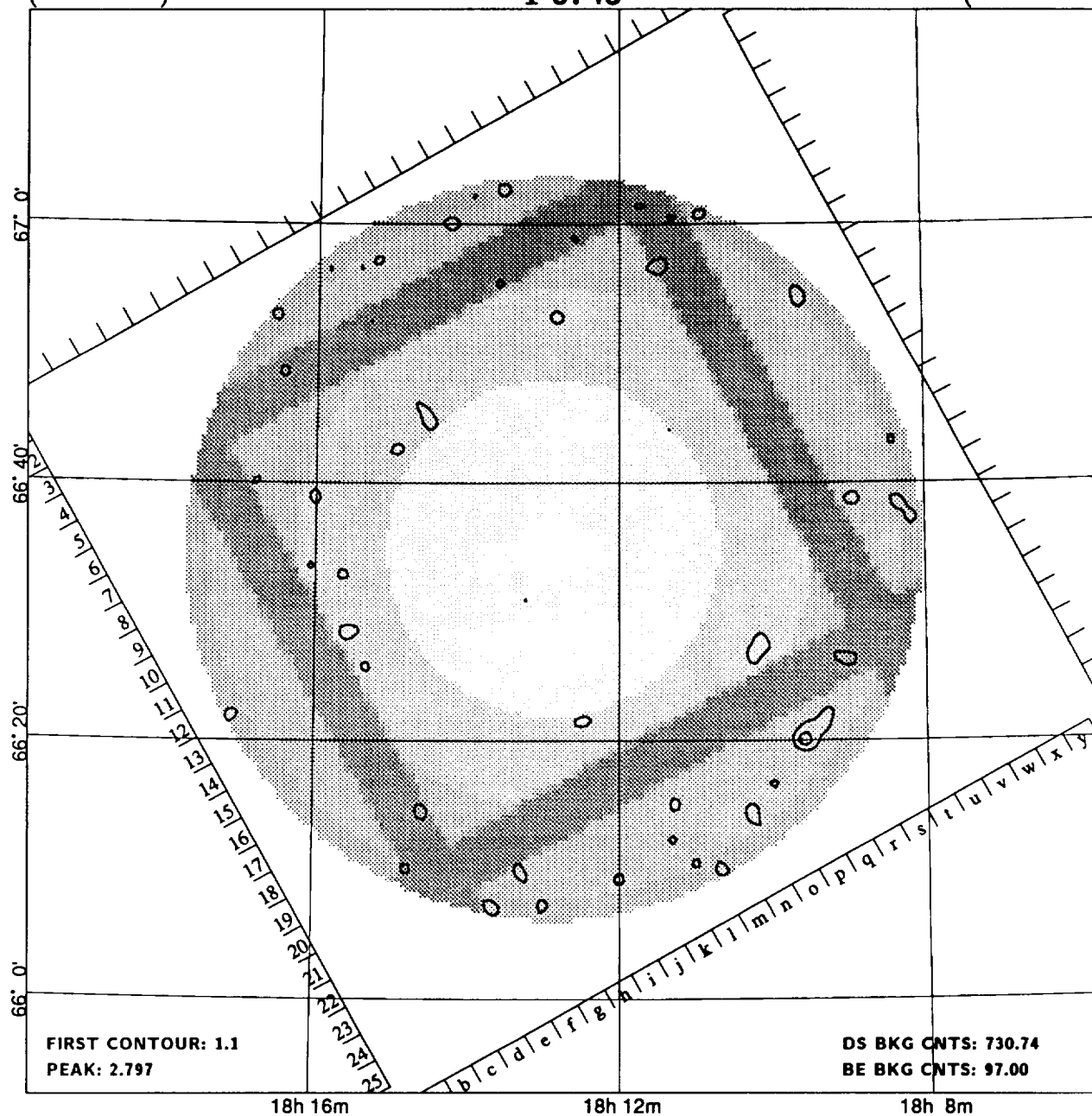
DATE: 1981/ 95 - 1981/ 95
 LIVETIME: 3757.6s

NH: $2.9E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 12m)

I 8745

(18h 12m)



GSFC NEP SURVEY - FIELD # 12 0 2

FIELD CENTER: $18^h 12^m 43.8^s$ $66^\circ 34' 40''$ (B1950)
 $18^h 12^m 43.6^s$ $66^\circ 35' 36''$ (J2000)
 $l: 96.46$ $b: 28.55$

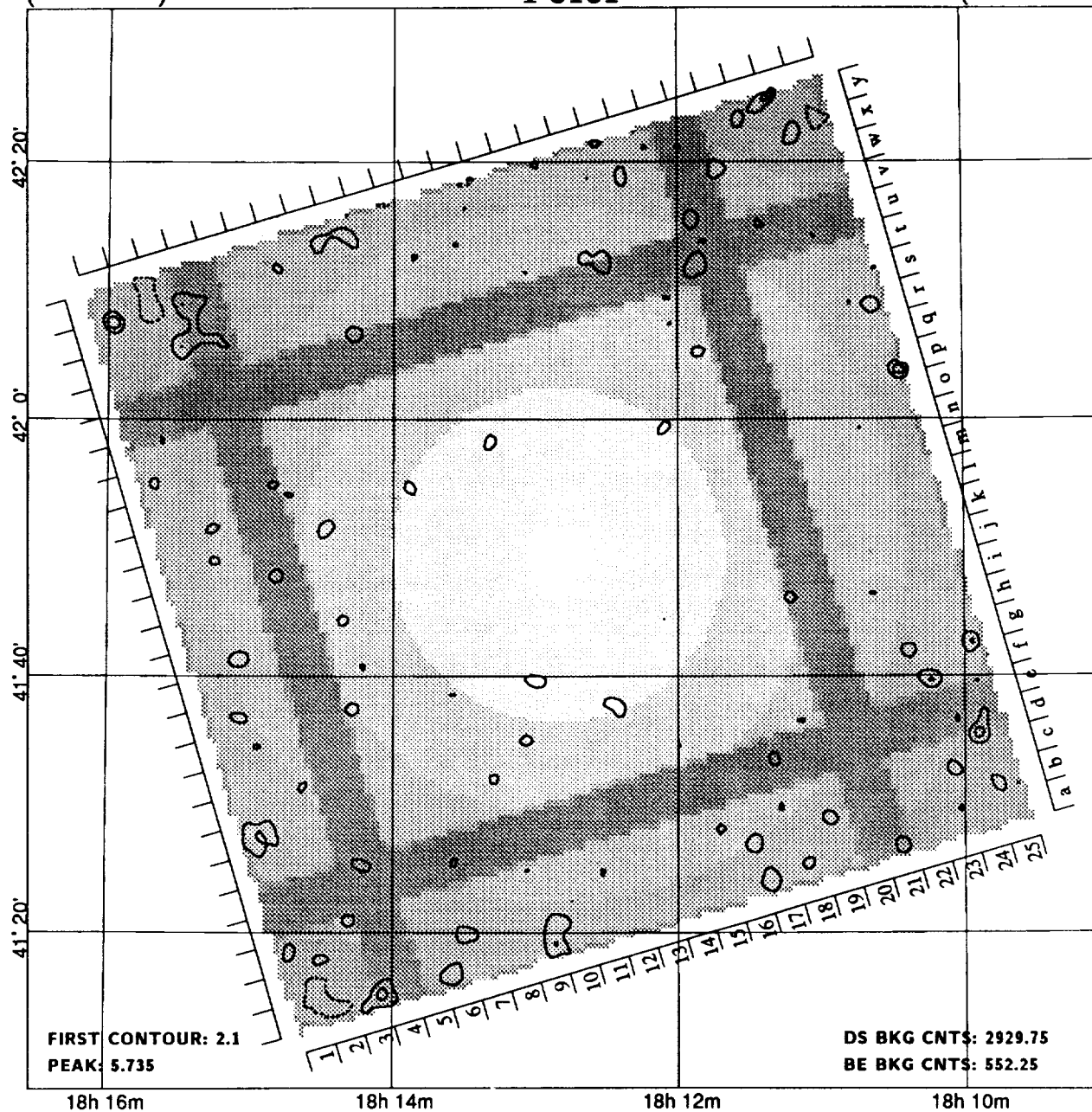
DATE: 1980/150 - 1980/150
 LIVETIME: 592.1s
 ROLL ANGLE: -29.2°

NH: $4.8E+20$
 REF/ID:
 FIELD FLAGS:

(18h 12m)

I 3181

(18h 12m)



OLD NOVAE: V533 HER

FIELD CENTER: $18^h 12^m 47.8^s$ $41^\circ 49' 58''$ (B1950)
 $18^h 14^m 21.9^s$ $41^\circ 50' 57''$ (J2000)
 $l: 69.18$ $b: 24.27$

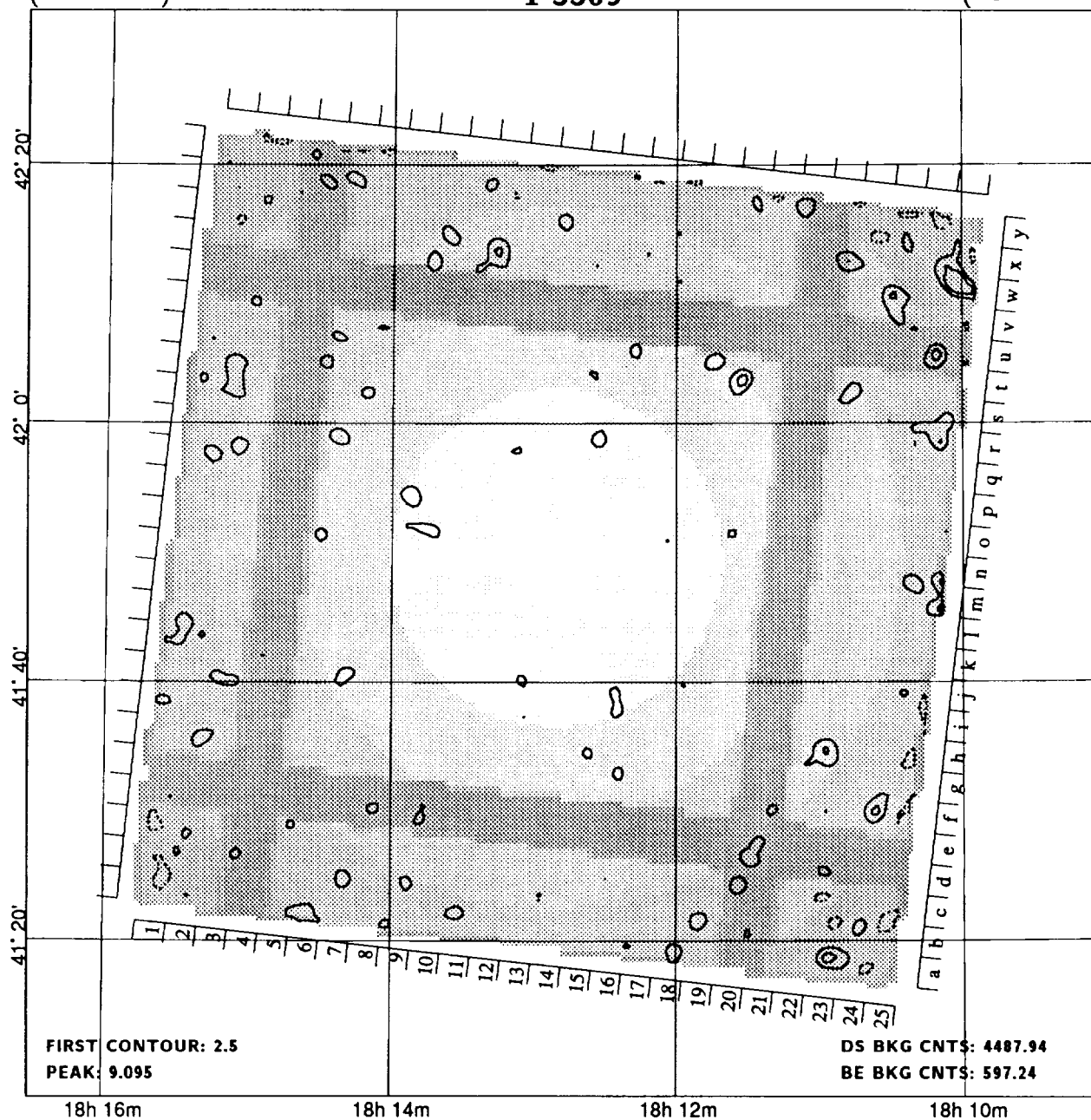
DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 2374.1s
 ROLL ANGLE: -106.3°

NH: $3.6E+20$
 REF/ID:
 FIELD FLAGS: C

(18h 12m)

I 3509

(18h 12m)



V533 HER, RAPID PERIODICITIES IN CATAclysmic VARIABLES

FIELD CENTER: $18^h 12^m 47.8^s$ $41^\circ 49' 58''$ (B1950)
 $18^h 14^m 21.9^s$ $41^\circ 50' 57''$ (J2000)
 $l: 69.18$ $b: 24.27$

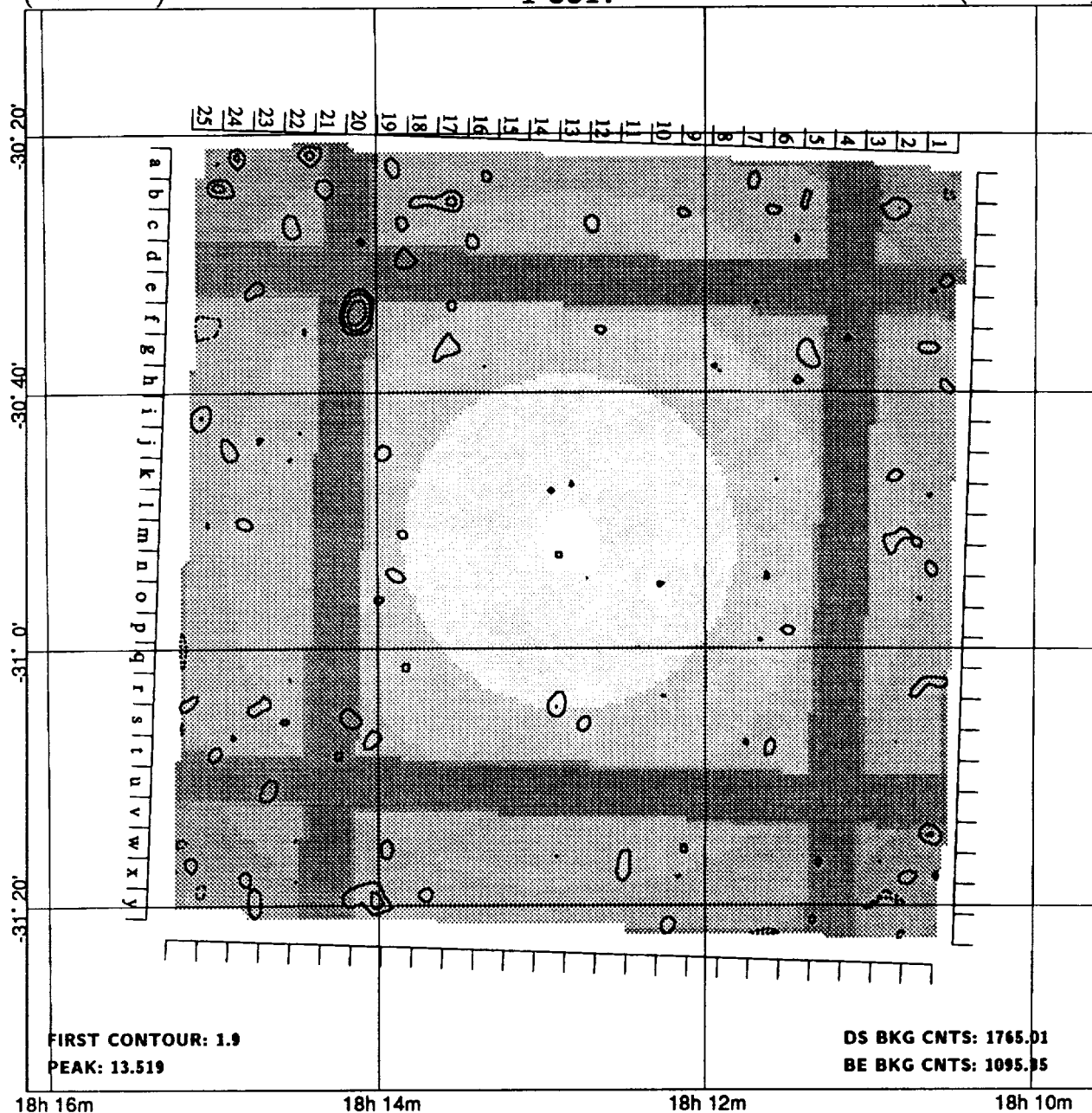
DATE: 1979/ 86 - 1979/ 86
 LIVETIME: 3636.7s
 ROLL ANGLE: -83.7°

NH: $3.6E+20$
 REF/ID:
 FIELD FLAGS: C

(18h 12m)

I 3317

(18h 12m)



FIELD CENTER: $18^{\text{h}}12^{\text{m}}51.8^{\text{s}}$ $-30^{\circ}52'15''$ (B1950)
 $18^{\text{h}}16^{\text{m}}05.4^{\text{s}}$ $-30^{\circ}51'12''$ (J2000)
 $l: 1.59$ $b: -6.69$

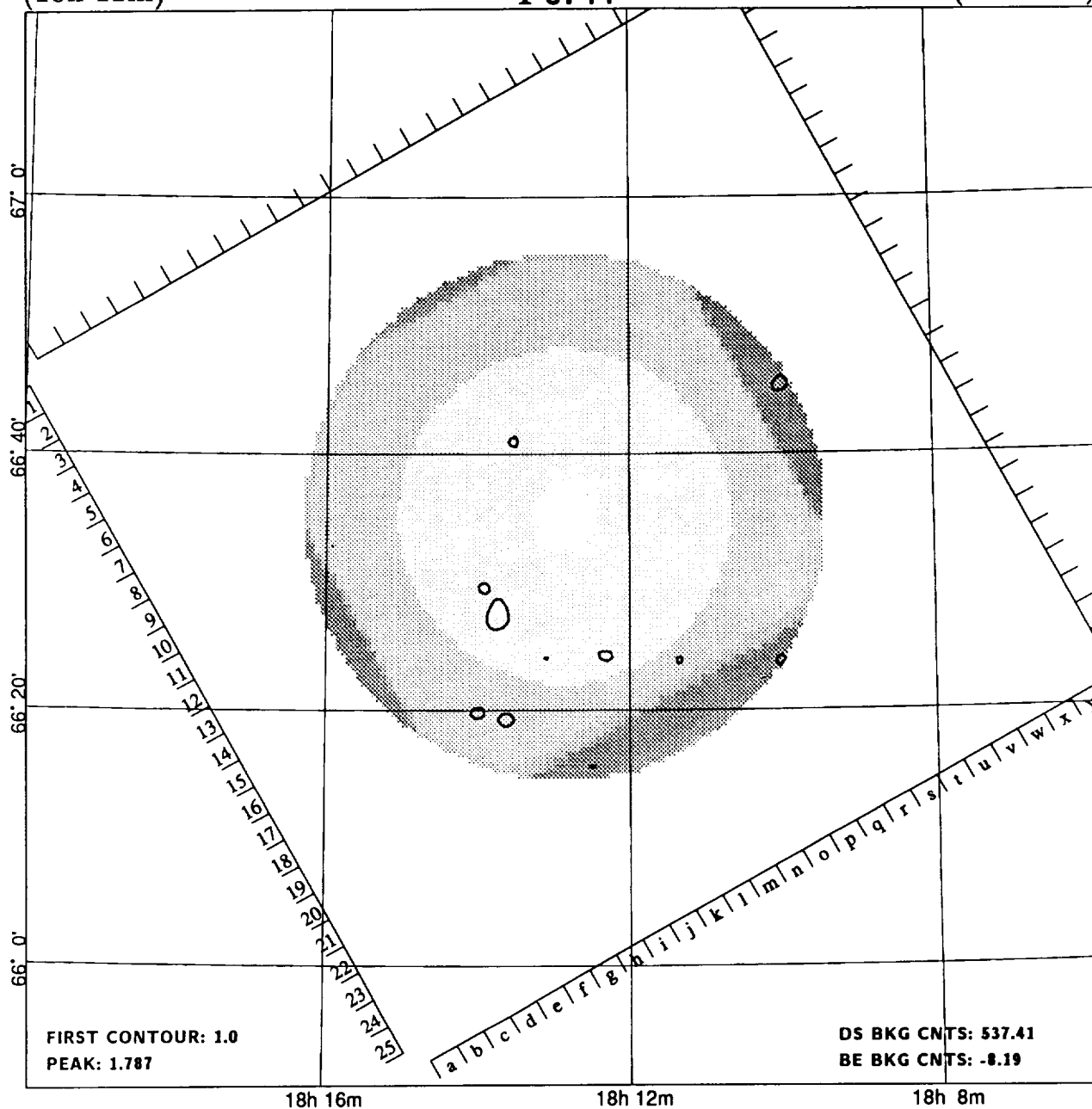
DATE: 1979/263 - 1979/263
 LIVETIME: 1430.2s
 ROLL ANGLE: 92.0°

NH: $1.7\text{E}+21$
 REF/ID: S
 FIELD FLAGS: LS

(18h 12m)

I 8744

(18h 12m)



GSFC NEP SURVEY - FIELD # 11 1 2

FIELD CENTER: $18^h 12^m 55.6^s$ $66^\circ 32' 44''$ (B1950)
 $18^h 12^m 55.6^s$ $66^\circ 33' 41''$ (J2000)
 $l: 96.42$ $b: 28.53$

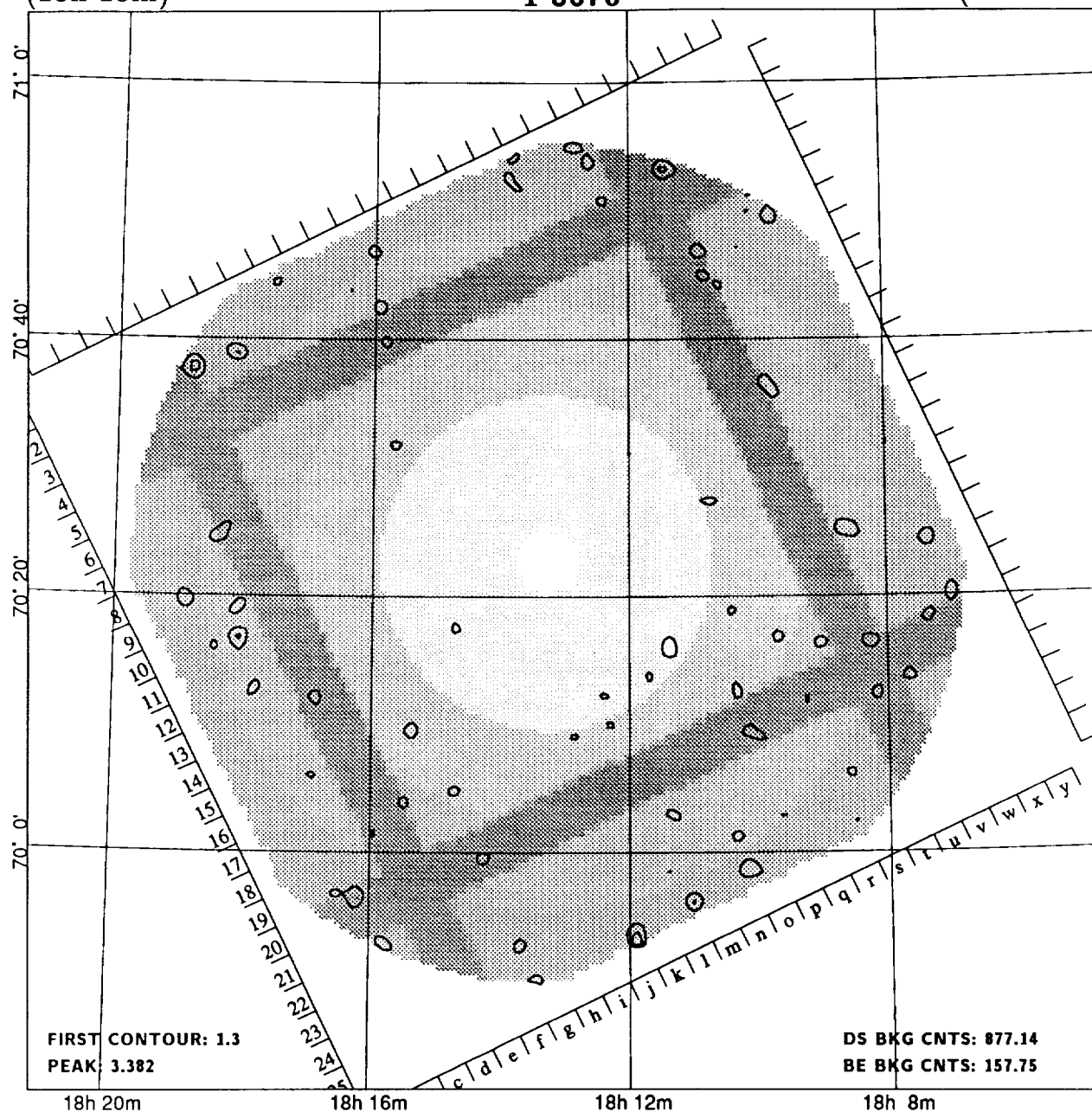
DATE: 1980/149 - 1980/149
LIVETIME: 435.5s
ROLL ANGLE: -29.2°

NH: $4.8E+20$
REF/ID:
FIELD FLAGS:

(18h 13m)

I 8670

(18h 13m)

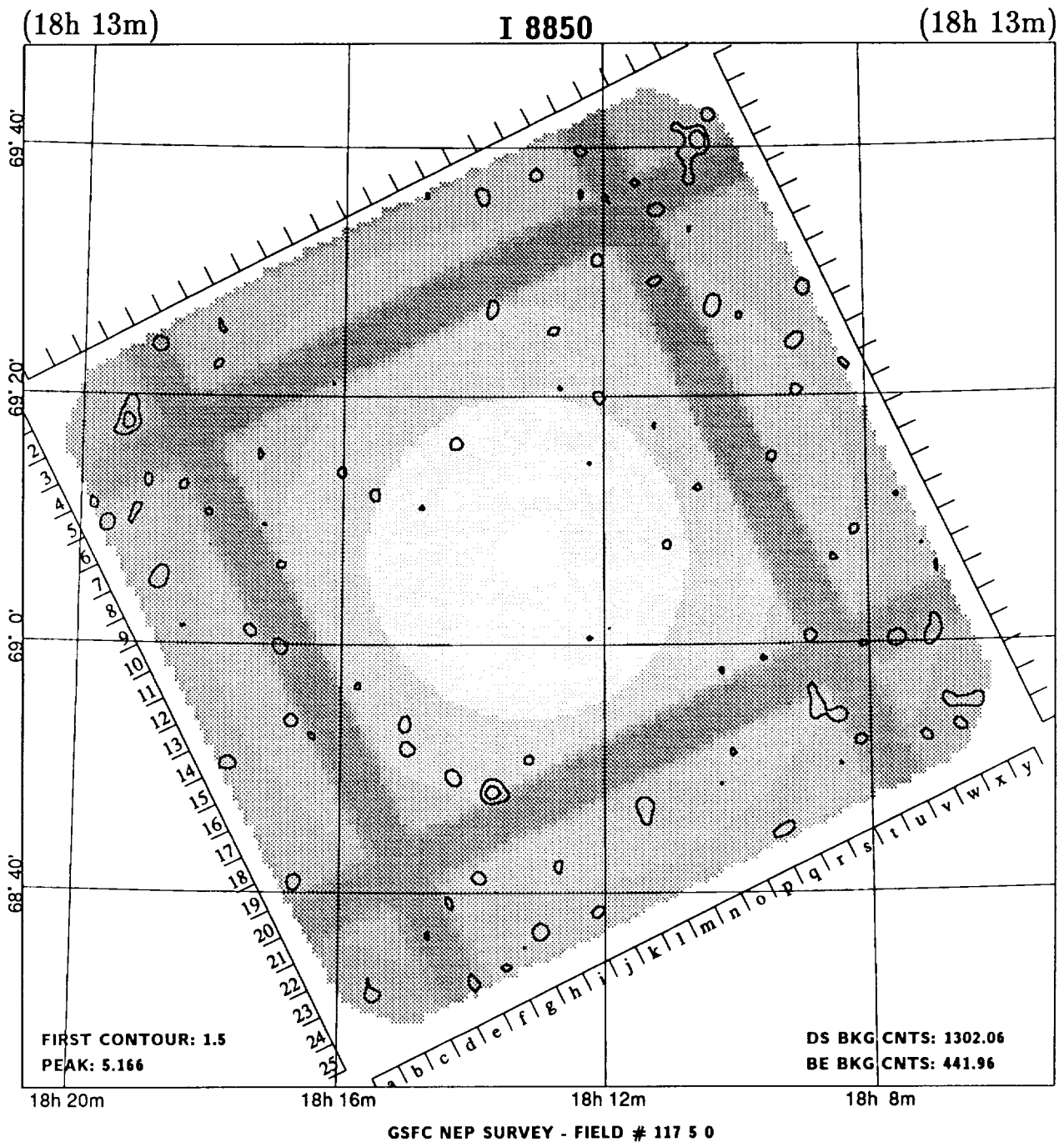


GSFC NEP SURVEY - FIELD # 176 7 1

FIELD CENTER: $18^h 13^m 00.7^s$ $70^\circ 23' 40''$ (B1950)
 $18^h 12^m 27.1^s$ $70^\circ 24' 36''$ (J2000)
 $l: 100.80$ $b: 28.69$

DATE: 1980/149 - 1980/149
 LIVETIME: 710.8s
 ROLL ANGLE: -25.8°

NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $18^h 13^m 00.9^s$ $69^\circ 06' 24''$ (B1950)
 $18^h 12^m 39.9^s$ $69^\circ 07' 21''$ (J2000)
 $l: 99.34$ $b: 28.65$

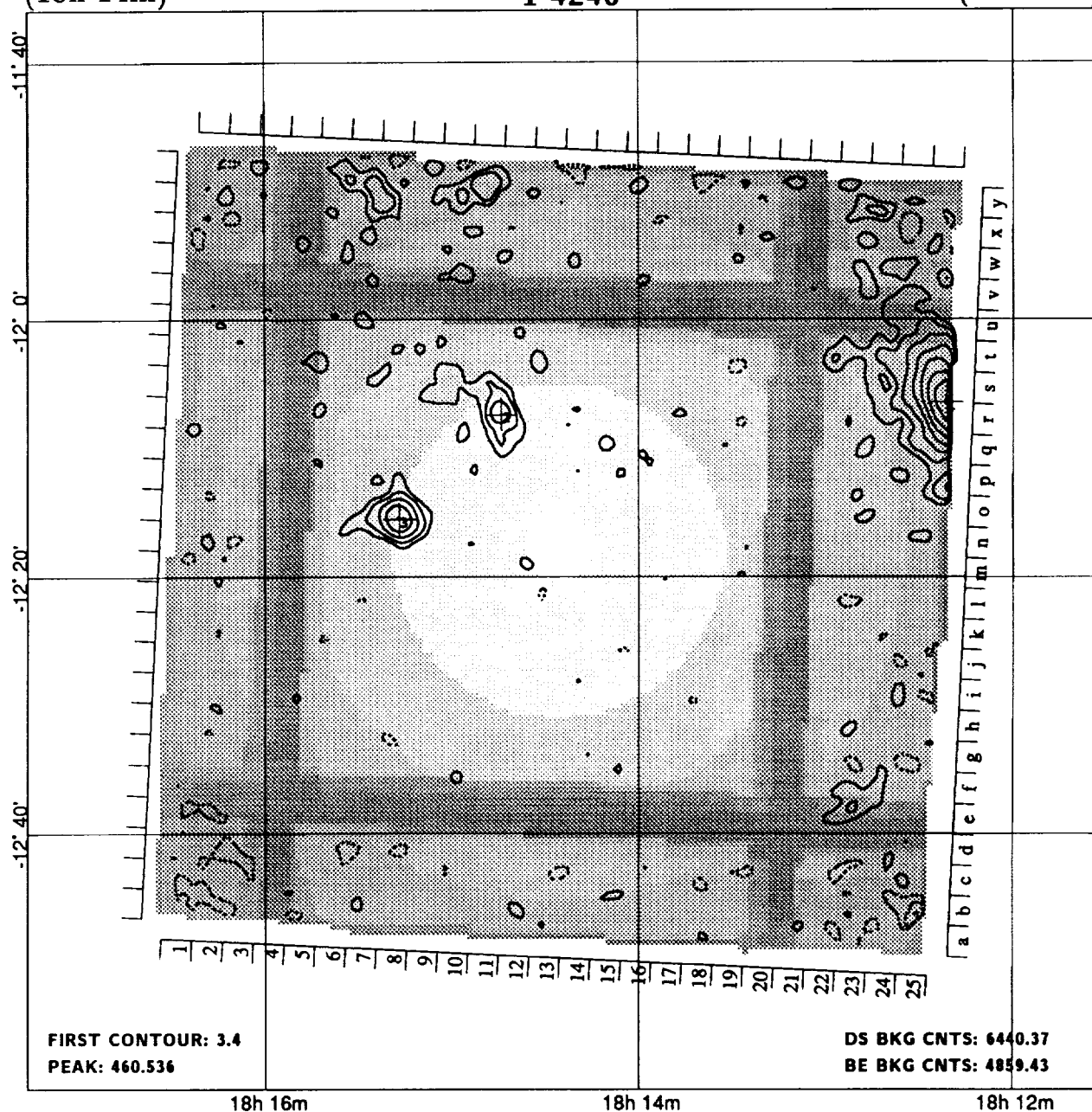
DATE: 1980/148 - 1980/148
 LIVETIME: 1055.1s
 ROLL ANGLE: -26.4°

NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS:

(18h 14m)

I 4240

(18h 14m)



OB ASSOCIATIONS: SER OB2

FIELD CENTER: $18^h 14^m 23.8^s$ $-12^\circ 17' 59''$ (B1950)
 $18^h 17^m 12.1^s$ $-12^\circ 16' 50''$ (J2000)
 $l: 18.11$ $b: 1.86$

DATE: 1981/ 90 - 1981/ 90
 LIVETIME: 5218.8s
 ROLL ANGLE: -87.3°

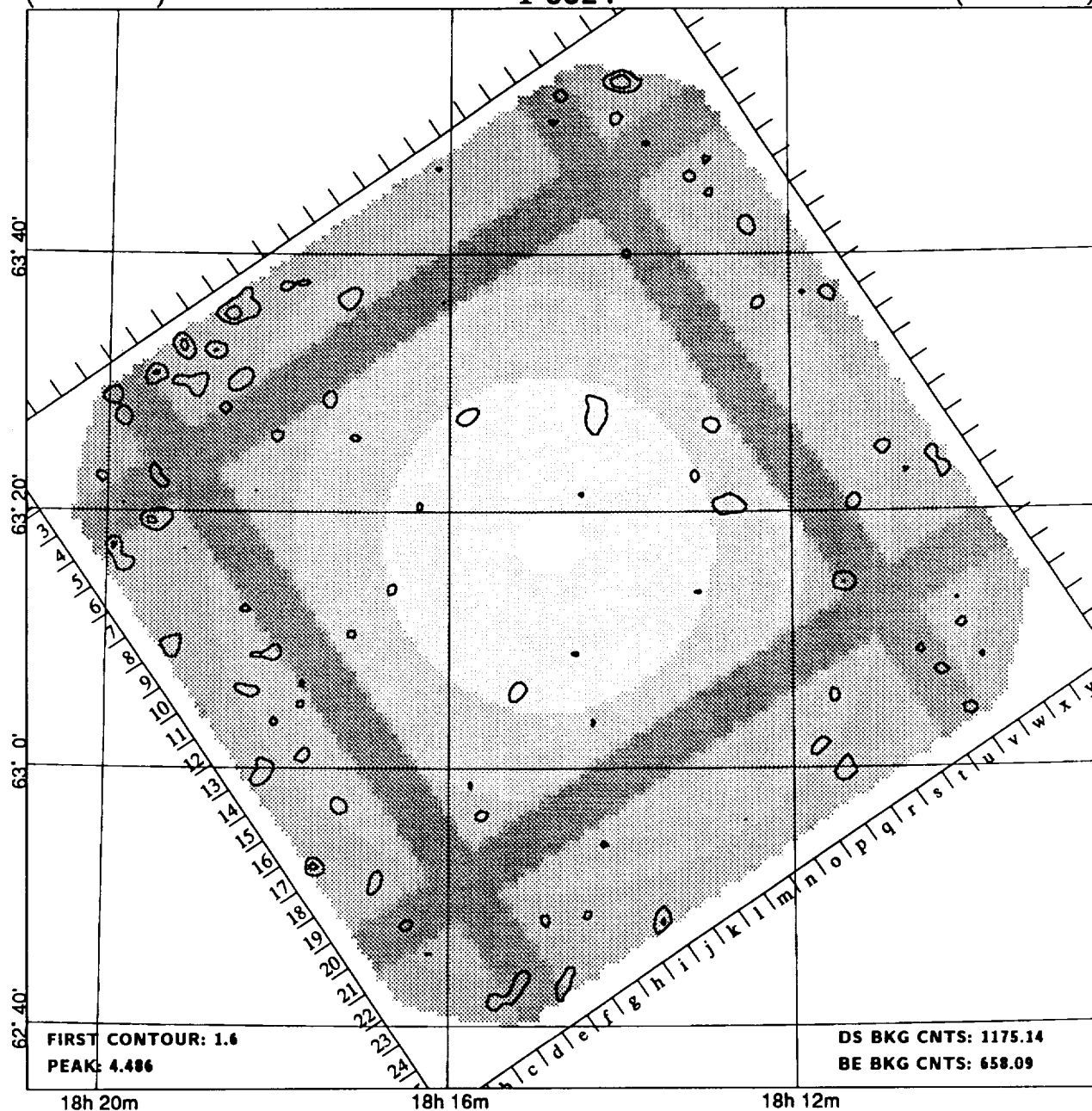
NH: $8.3E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4045	1L	18 12 21.2	-12 06 23	47	*0.187	0.020	480.2	191.8	9.2	2.1	906	32.1	AEI
4049	2L	18 14 44.2	-12 07 21	38	0.0167	0.0036	56.4	43.6	4.5	1.7	0	11.8	
4052	3L	18 15 16.9	-12 15 28	38	0.0488	0.0050	160.2	39.8	9.7	1.2	0	13.2	

(18h 14m)

I 8824

(18h 14m)



GSFC NEP SURVEY - FIELD # 91 -4 5

FIELD CENTER: $18^h 14^m 42.7^s$ $63^\circ 17' 10''$ (B1950)
 $18^h 15^m 04.0^s$ $63^\circ 18' 15''$ (J2000)
 $l: 92.75$ $b: 28.07$

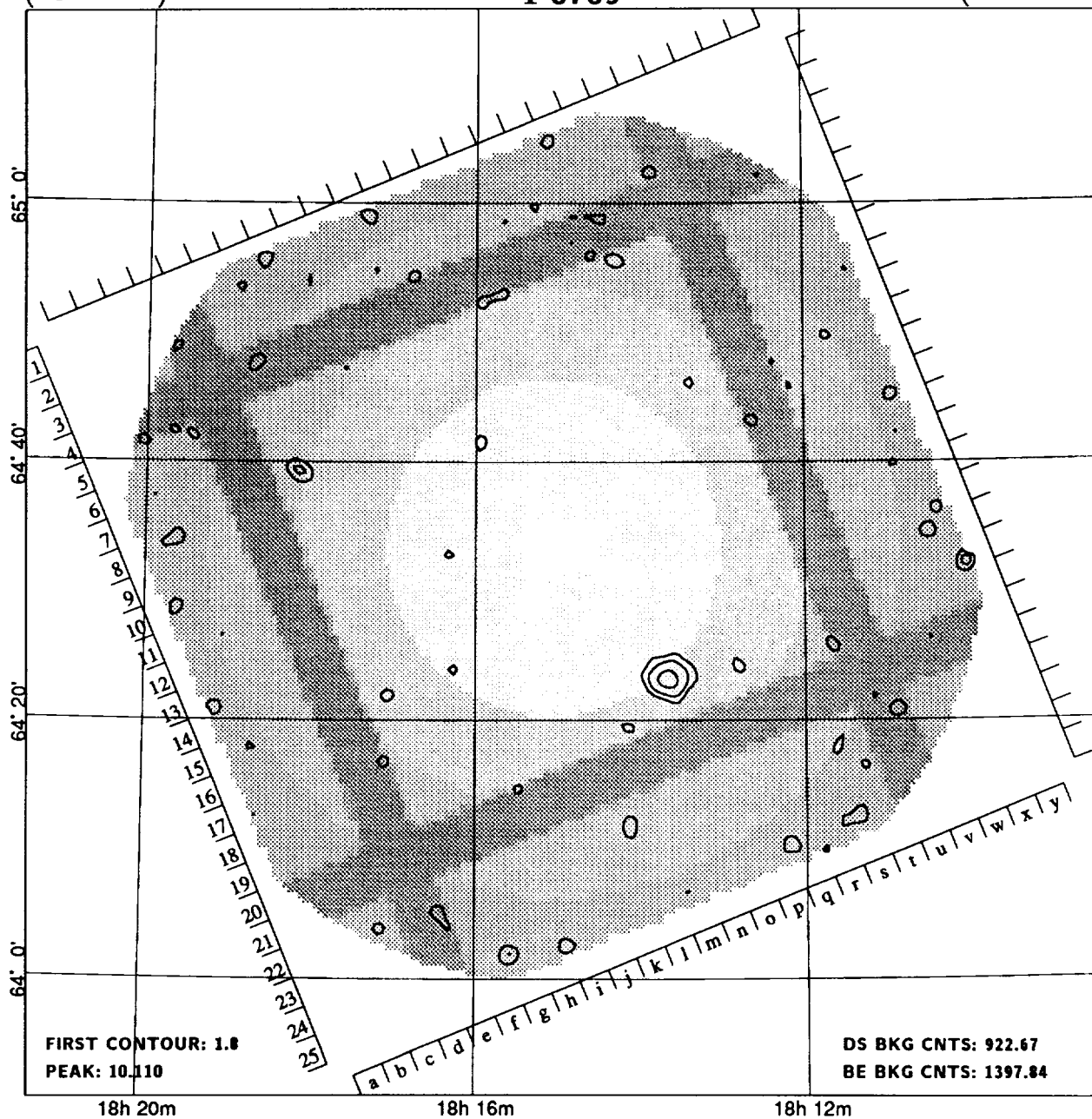
DATE: 1980/147 - 1980/147
 LIVETIME: 952.3s
 ROLL ANGLE: -34.1°

NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS:

(18h 14m)

I 8789

(18h 14m)

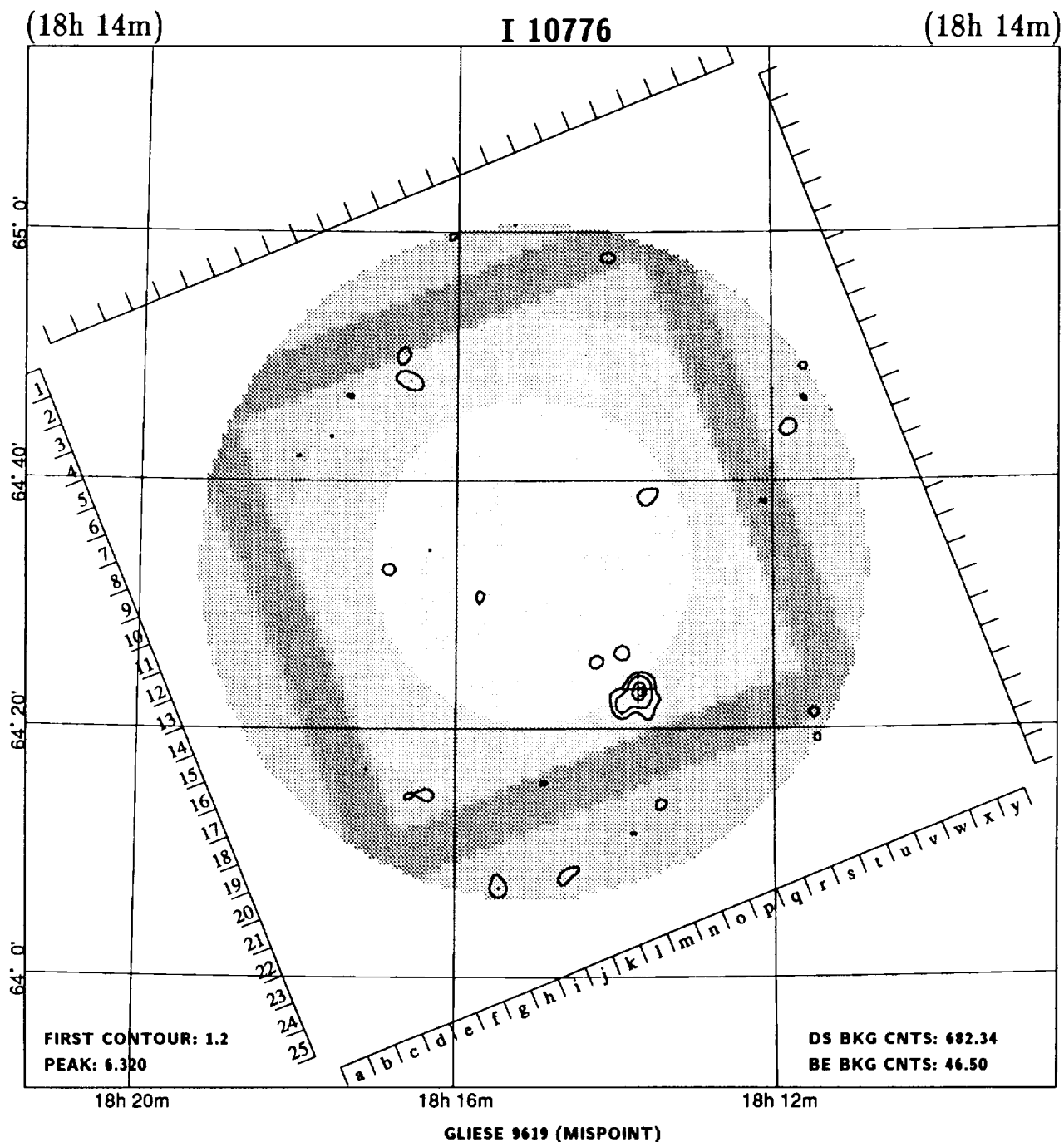


GSFC NEP SURVEY - FIELD # 56 -2 4

FIELD CENTER: $18^h 14^m 55.6^s$ $64^\circ 33' 04''$ (B1950)
 $18^h 15^m 09.3^s$ $64^\circ 34' 10''$ (J2000)
 $l: 94.18$ $b: 28.17$

DATE: 1980/146 - 1980/146
 LIVETIME: 747.7s
 ROLL ANGLE: -22.1°

NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS: LS



FIELD CENTER: $18^h 14^m 55.9^s$ $64^\circ 33' 02''$ (B1950)
 $18^h 15^m 09.5^s$ $64^\circ 34' 08''$ (J2000)
 ℓ : 94.18 b : 28.17

DATE: 1980/150 - 1980/150
LIVETIME: 552.9s
ROLL ANGLE: -22.1°

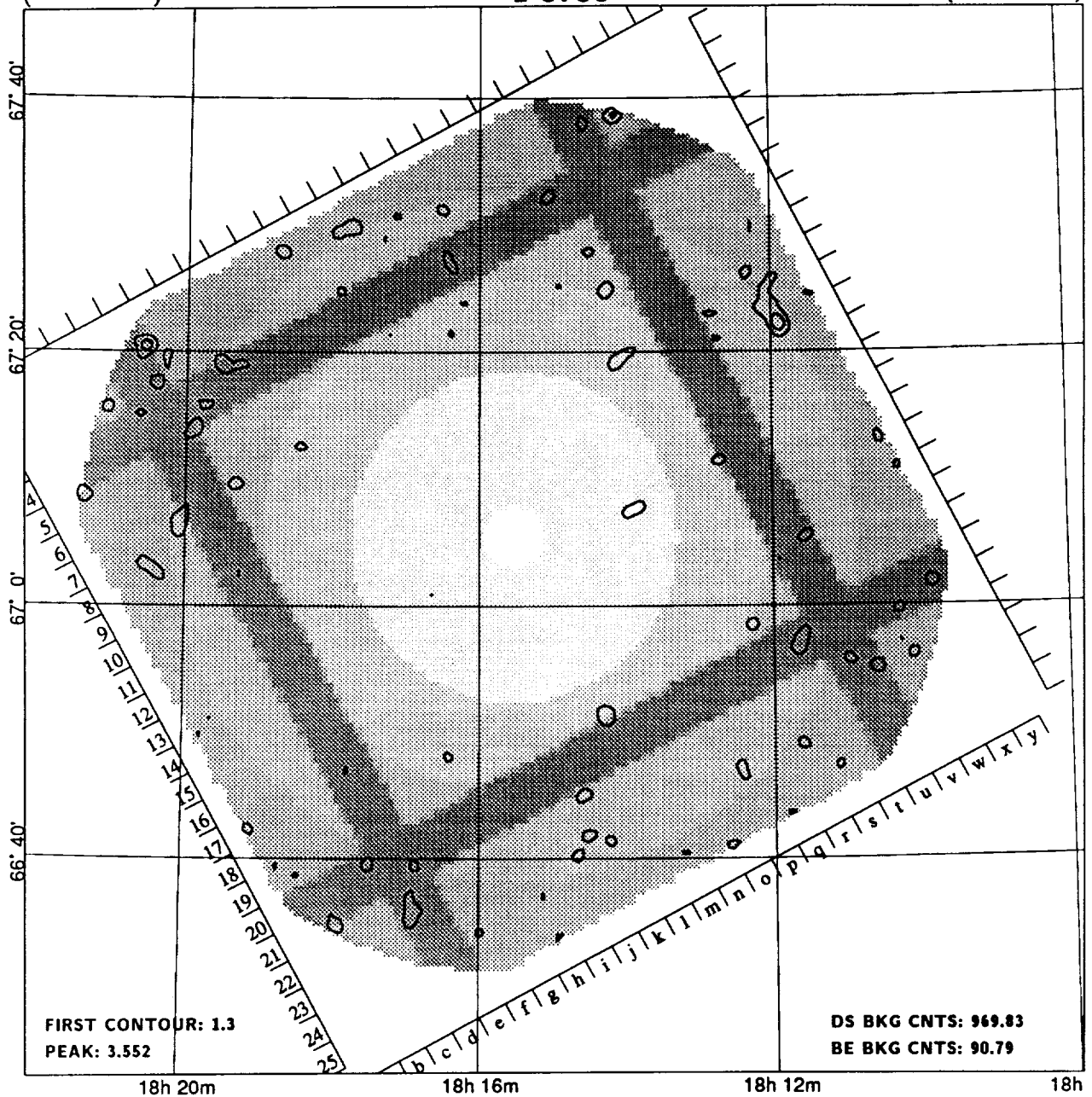
NH: $3.9E+20$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4048	1	18 13 42.2	64 23 11	43	0.052	0.013	17.6	1.4	4.0	1.2	0	12.5	H	S

(18h 14m)

I 8758

(18h 14m)



FIELD CENTER: $18^h 14^m 58.3^s$ $67^\circ 05' 11''$ (B1950)
 $18^h 14^m 54.3^s$ $67^\circ 06' 16''$ (J2000)
 l : 97.05 b : 28.36

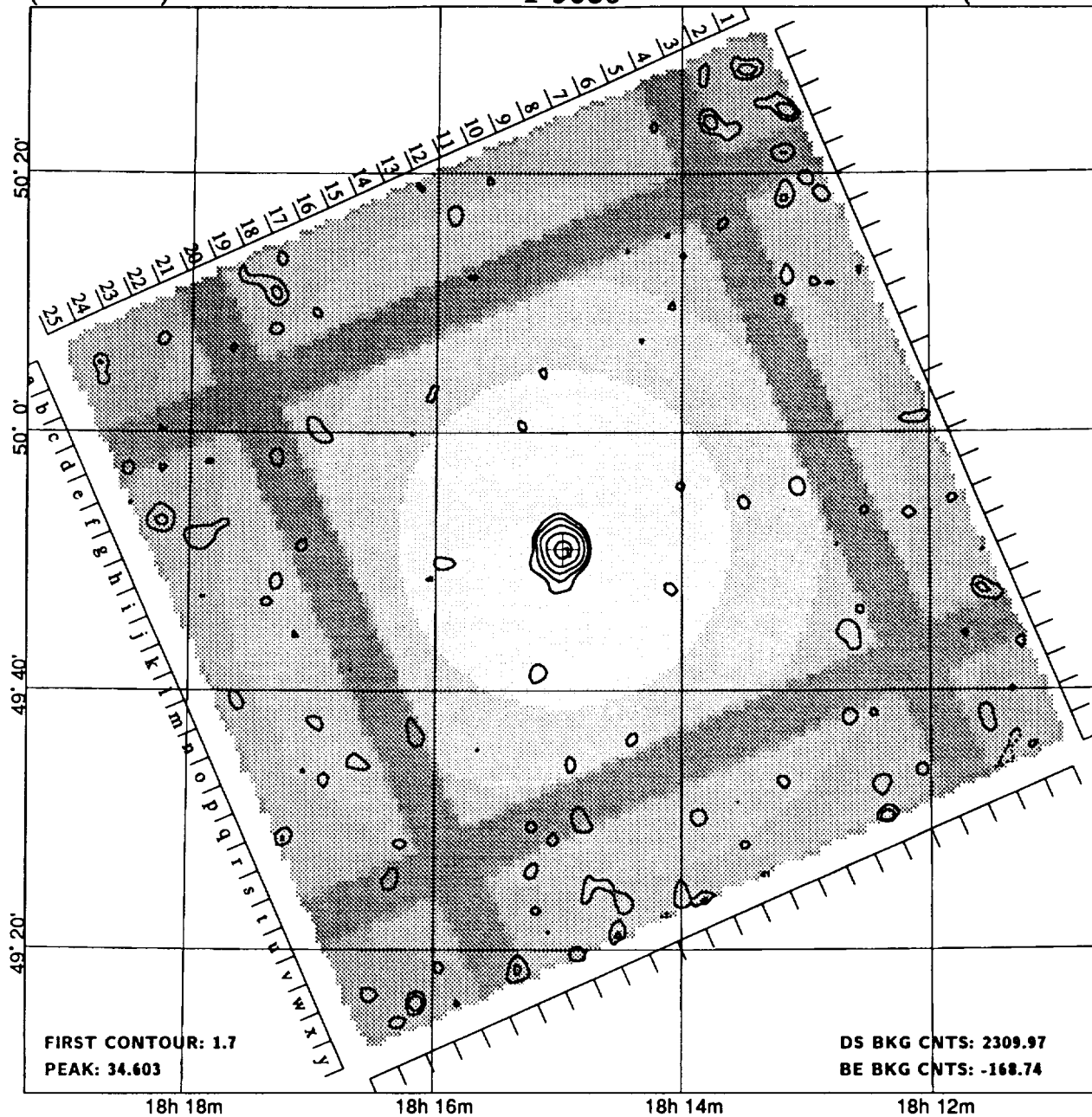
DATE: 1980/149 - 1980/149
LIVETIME: 785.9s
ROLL ANGLE: -28.1°

NH: $5.4E+20$
REF/ID:
FIELD FLAGS:

(18h 14m)

I 9680

(18h 14m)



AM HER IN LOW OPTICAL STATE (COMMUNICATED BY J. HUTCHINGS)

FIELD CENTER: $18^h 14^m 58.3^s$ $49^\circ 50' 54''$ (B1950) $18^h 16^m 13.1^s$ $49^\circ 52' 03''$ (J2000) $l: 77.86$ $b: 25.88$

DATE: 1980/234 - 1980/234

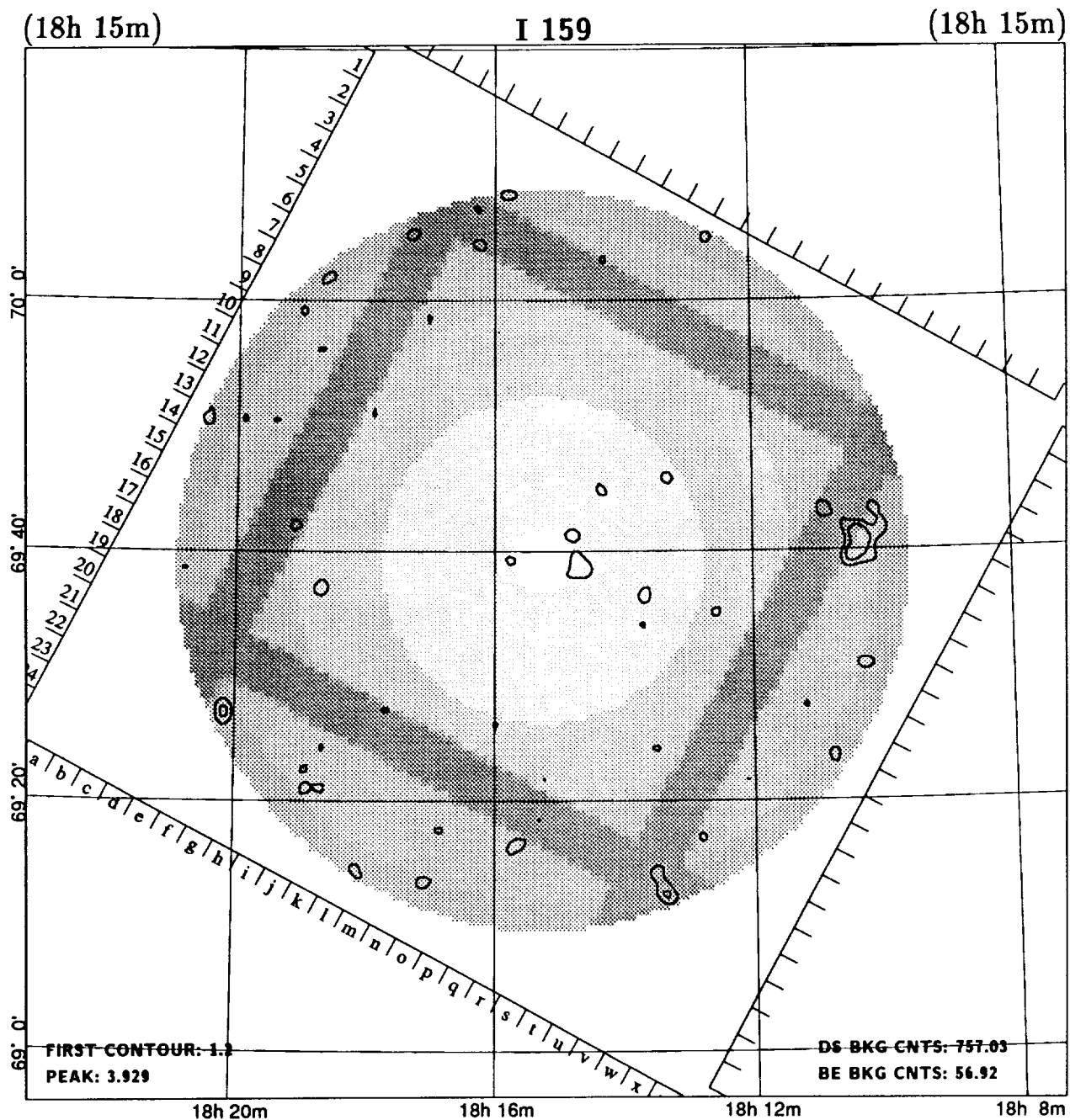
LIVETIME: 1871.8s

ROLL ANGLE: 66.2° NH: $4.4E+20$

REF/ID: !

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4051	1	18 14 58.0	49 51 00	31	0.1047	0.0088	145.9	5.1	11.9	1.2	0	0.2	H	S

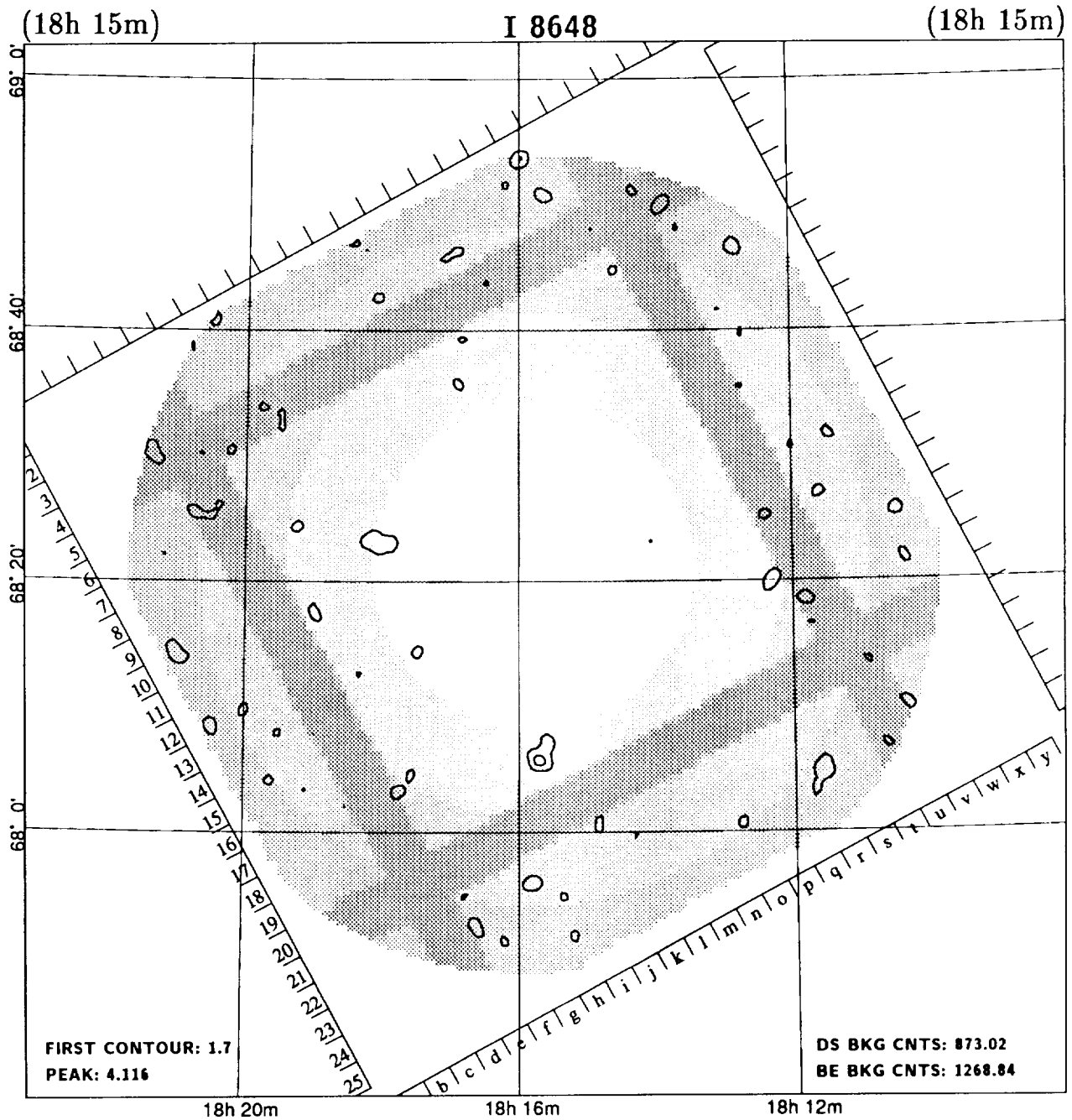


A2301 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $18^h 15^m 11.8^s$ $69^\circ 38' 23''$ (B1950)
 $18^h 14^m 45.9^s$ $69^\circ 39' 29''$ (J2000)
 $l: 99.95$ $b: 28.48$

DATE: 1979/203 - 1979/203
 LIVETIME: 613.4s
 ROLL ANGLE: 28.4°

NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 154 6 1

FIELD CENTER: $18^h 15^m 38.1^s$ $68^\circ 21' 01''$ (B1950)
 $18^h 15^m 23.9^s$ $68^\circ 22' 08''$ (J2000)
 ℓ : 98.49 b : 28.38

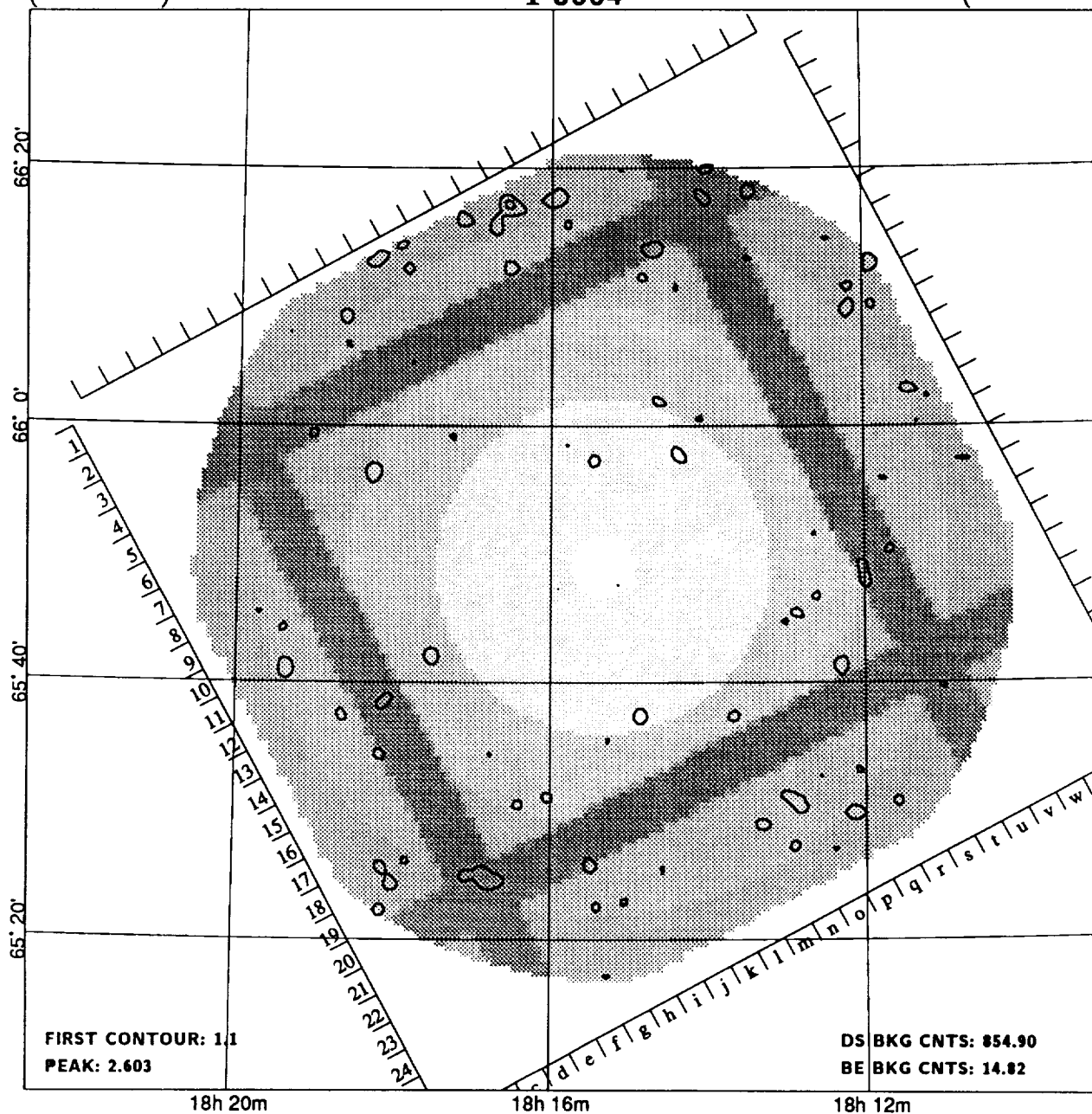
DATE: 1980/149 - 1980/149
 LIVETIME: 707.4s
 ROLL ANGLE: -28.3°

NH: $5.5E+20$
 REF/ID:
 FIELD FLAGS: L

(18h 15m)

I 8664

(18h 15m)



GSFC NEP SURVEY - FIELD # 170 0 -7

FIELD CENTER: $18^h 15^m 49.8^s$ $65^\circ 50' 16''$ (B1950)
 $18^h 15^m 55.0^s$ $65^\circ 51' 26''$ (J2000)
 $l: 95.64$ $b: 28.18$

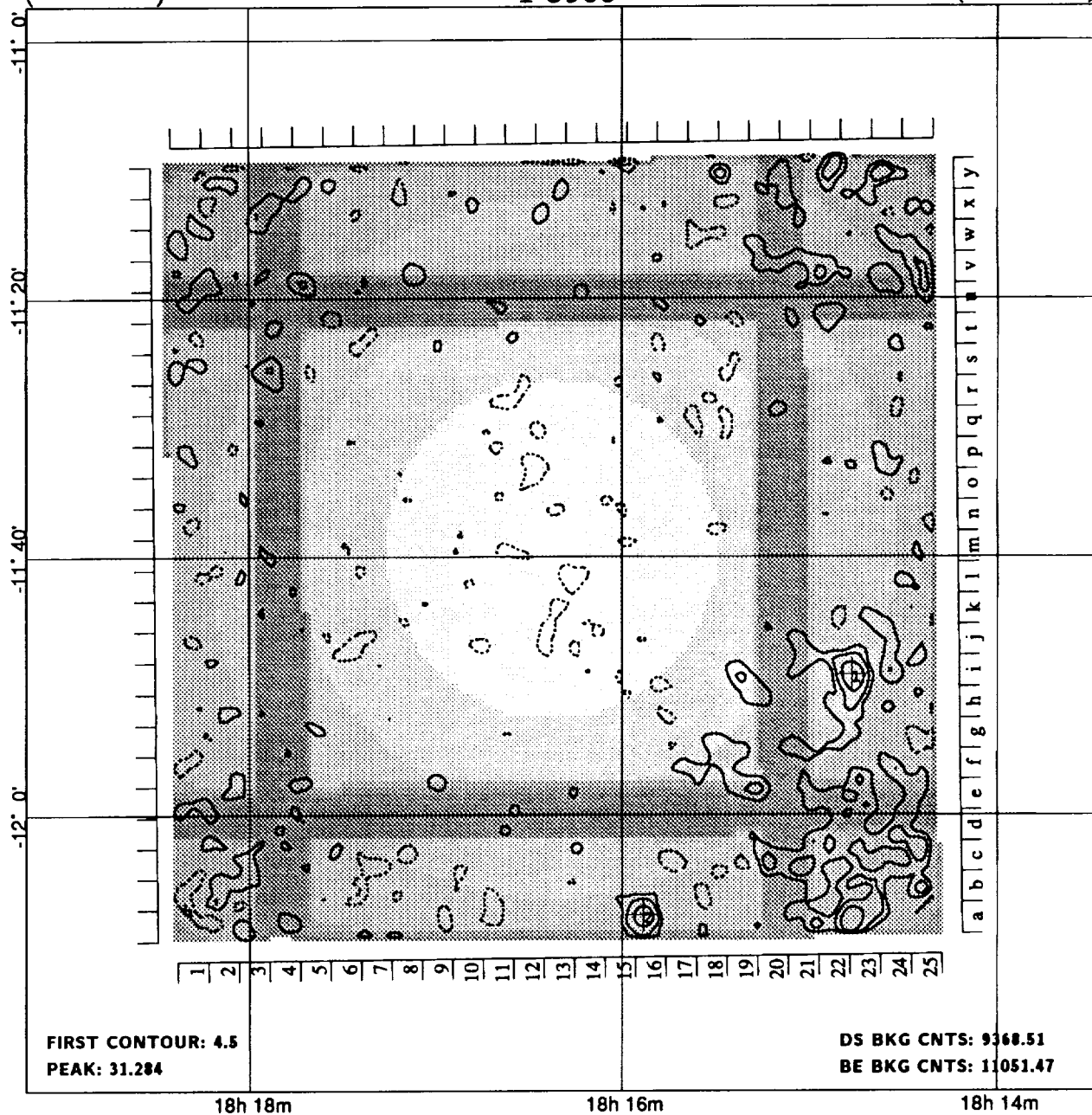
DATE: 1980/148 - 1980/148
 LIVETIME: 692.7s
 ROLL ANGLE: -28.3°

NH: $4.5E+20$
 REF/ID:
 FIELD FLAGS:

(18h 16m)

I 5960

(18h 16m)



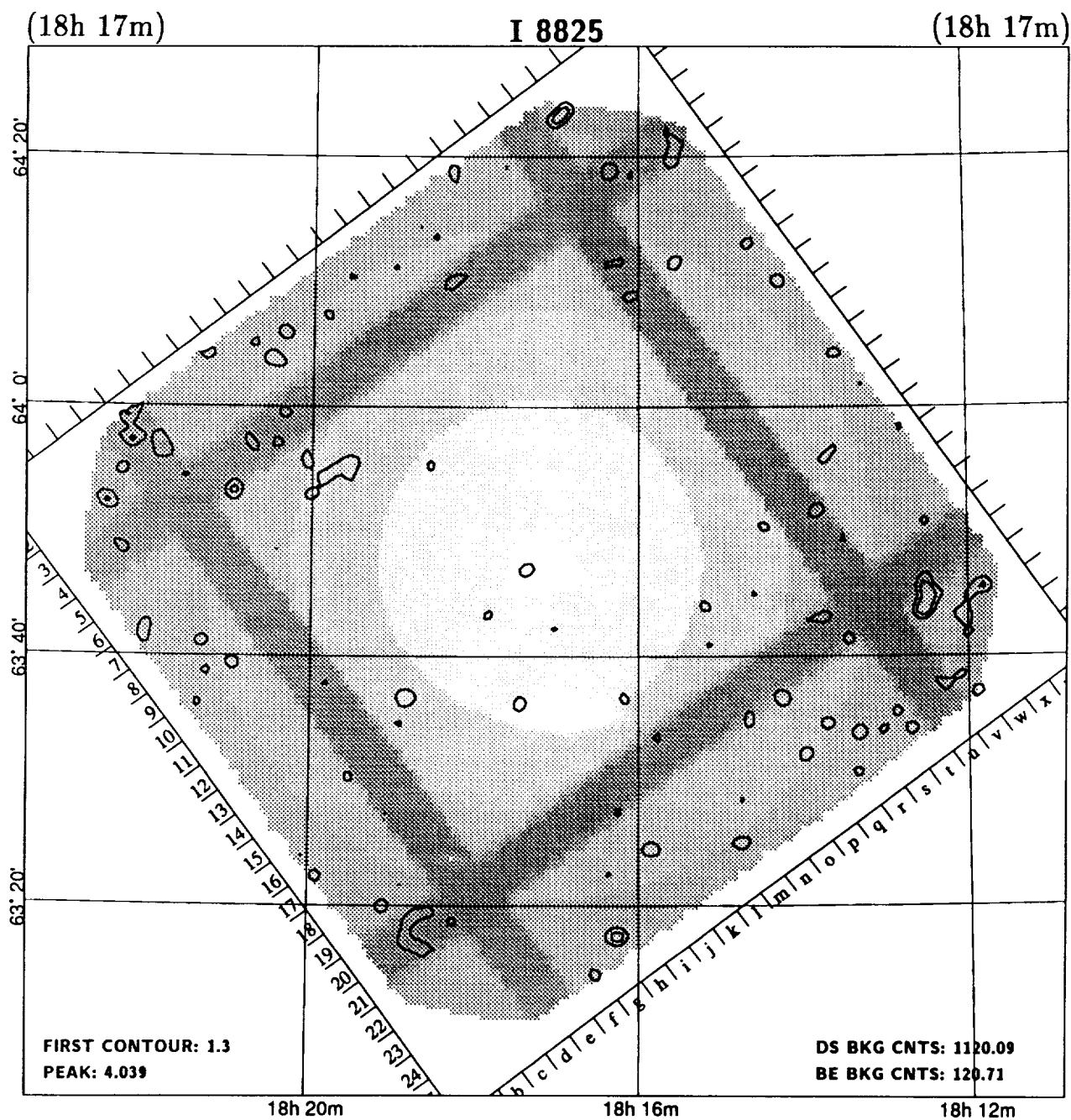
Wolf-Rayet Star Survey: 168206 (CV SER)

FIELD CENTER: $18^{\text{h}}16^{\text{m}}19.9^{\text{s}}$ $-11^{\circ}39'24''$ (B1950)
 $18^{\text{h}}19^{\text{m}}07.4^{\text{s}}$ $-11^{\circ}38'07''$ (J2000)
 $l: 18.91$ $b: 1.75$

DATE: 1981/ 73 - 1981/ 73
 LIVETIME: 7591.5s
 ROLL ANGLE: -90.6°

NH: $8.6\text{E}+21$
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4050	1L	18 14 46.2	-11 49 07	50	0.0151	0.0038	48.6	50.4	3.9	1.7	0	24.9		*
4053	2L	18 15 53.2	-12 07 48	51	0.0176	0.0042	48.1	34.9	4.0	1.0	500	29.1		



GSFC NEP SURVEY - FIELD # 92 -5 5

FIELD CENTER: $18^h 17^m 07.1^s$ $63^\circ 46' 54''$ (B1950)
 $18^h 17^m 25.6^s$ $63^\circ 48' 10''$ (J2000)
 $l: 93.34$ $b: 27.86$

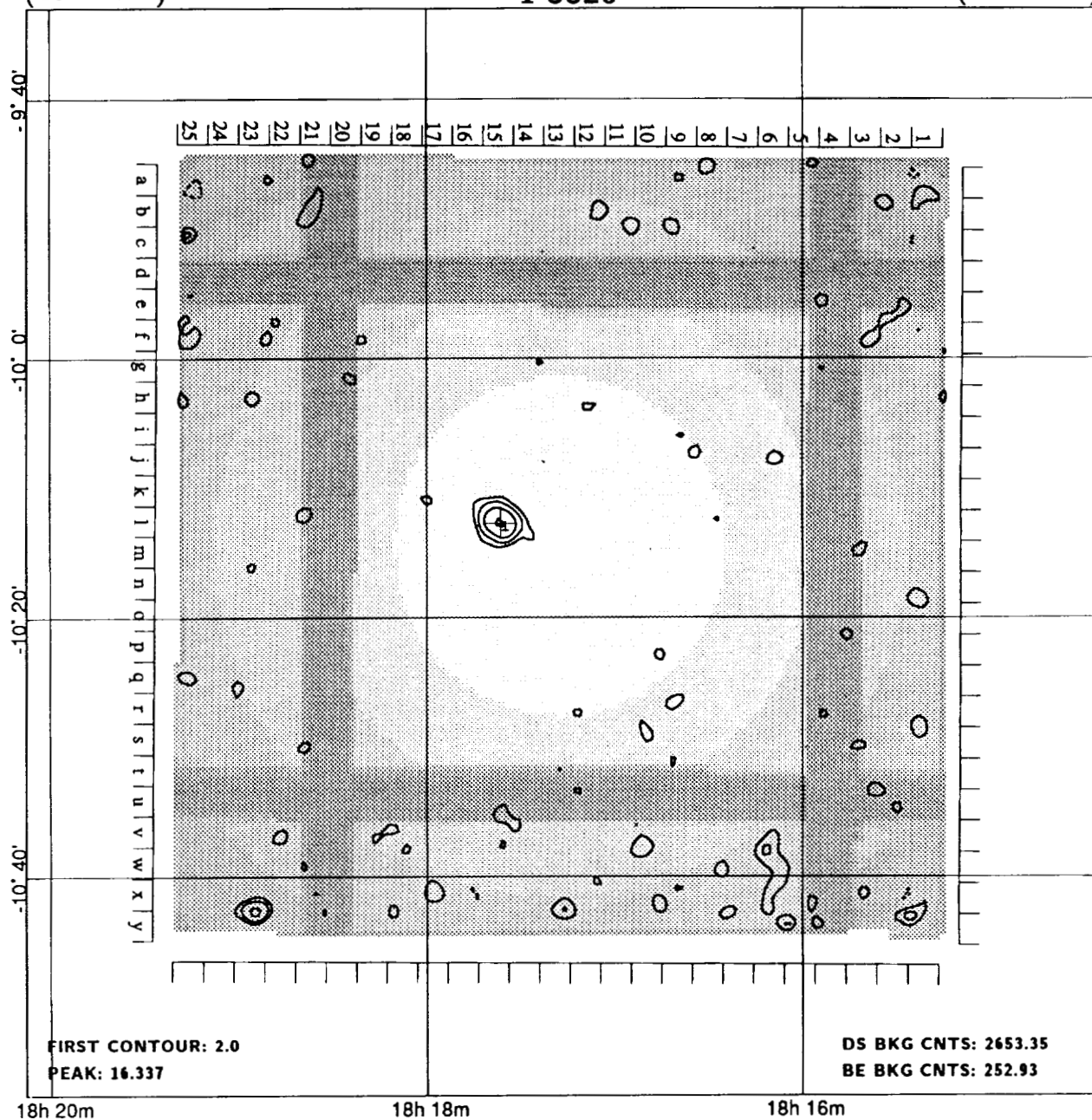
DATE: 1980/147 - 1980/147
 LIVETIME: 907.6s
 ROLL ANGLE: -36.6°

NH: $3.6E+20$
 REF/ID:
 FIELD FLAGS:

(18h 17m)

I 3820

(18h 17m)



T TAURI STARS: BD-10 4662

FIELD CENTER: $18^h 17^m 16.8^s$ $-10^\circ 14' 59''$ (B1950)
 $18^h 20^m 02.6^s$ $-10^\circ 13' 38''$ (J2000)
 $l: 20.25$ $b: 2.21$

DATE: 1979/265 - 1979/265
 LIVETIME: 2150.1s
 ROLL ANGLE: 90.4°

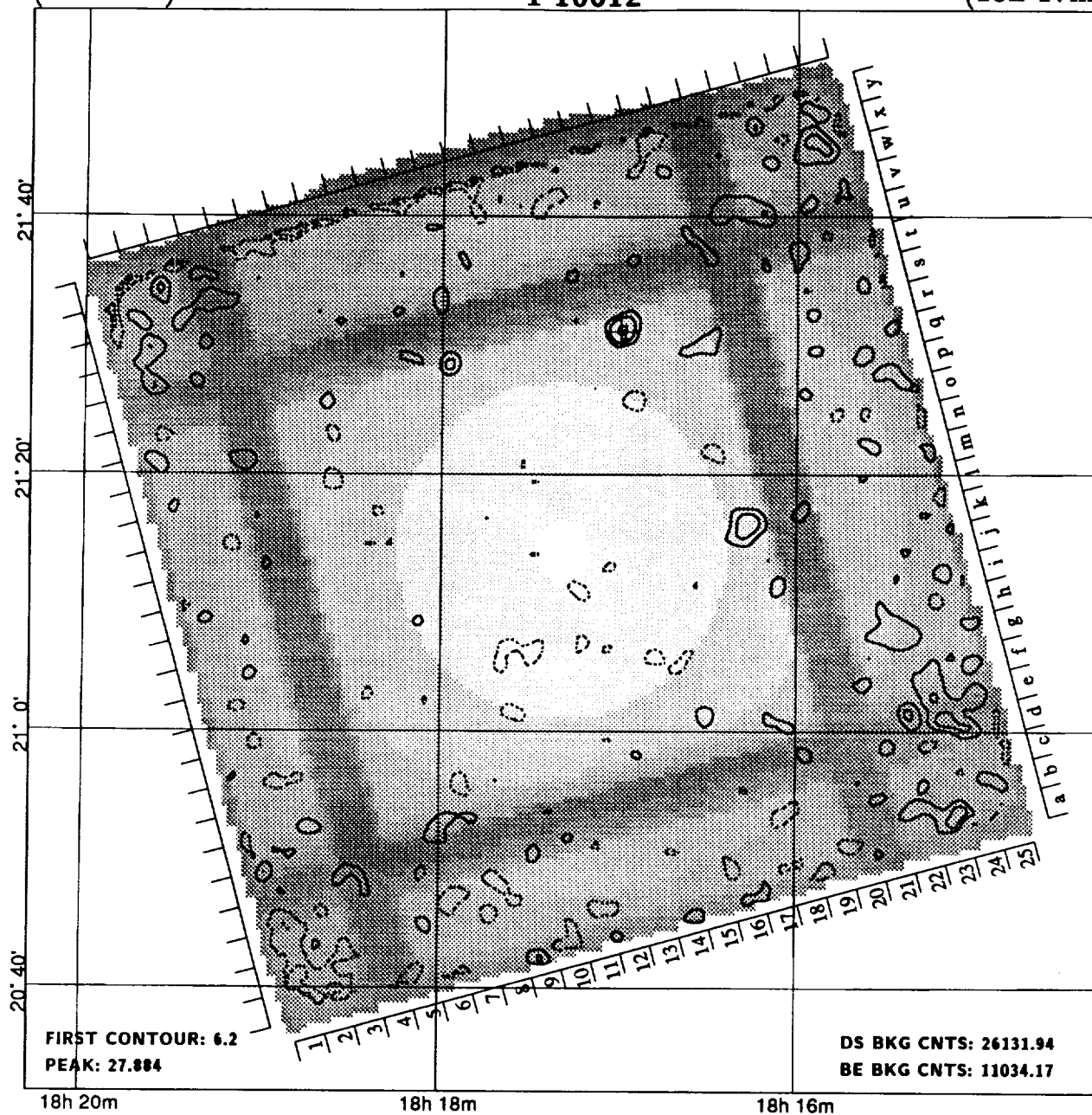
NH: $1.1E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4055	1	18 17 36.3	-10 12 43	41	0.0459	0.0058	70.5	7.5	8.0	1.1	0	5.8	H	S

(18h 17m)

I 10612

(18h 17m)



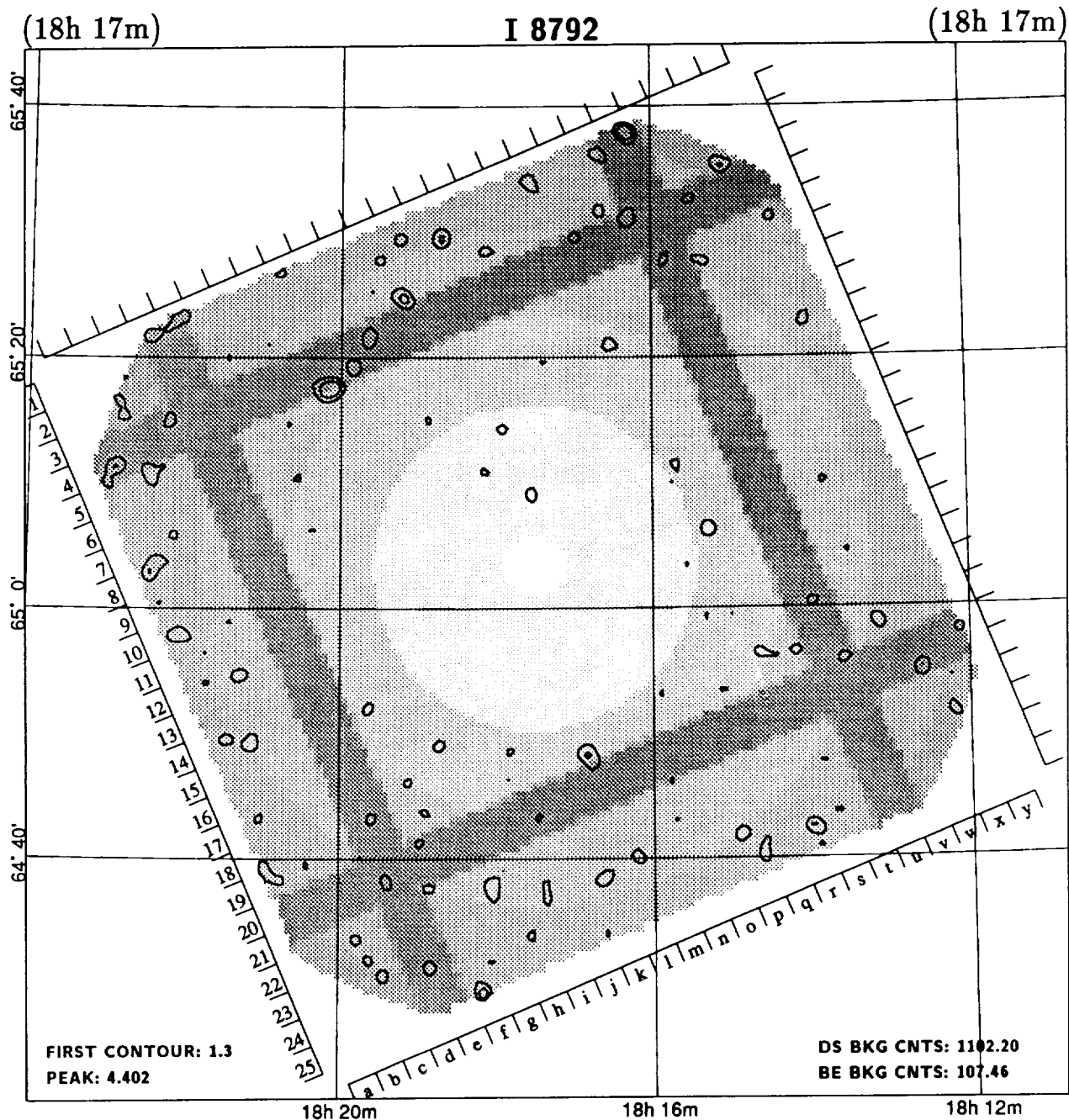
POOR GROUP 181

FIELD CENTER: $18^{\text{h}}17^{\text{m}}17.8^{\text{s}}$ $21^{\circ}13'59''$ (B1950)
 $18^{\text{h}}19^{\text{m}}25.7^{\text{s}}$ $21^{\circ}15'20''$ (J2000)
 $\ell: 48.87$ $b: 16.31$

DATE: 1981/ 61 - 1981/ 61
 LIVETIME: 21175.6s
 ROLL ANGLE: -105.3°

NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4054	1L	18 16 59.6	21 31 05	50	0.0074	0.0013	86.6	61.4	5.6	0.8	300	17.6		

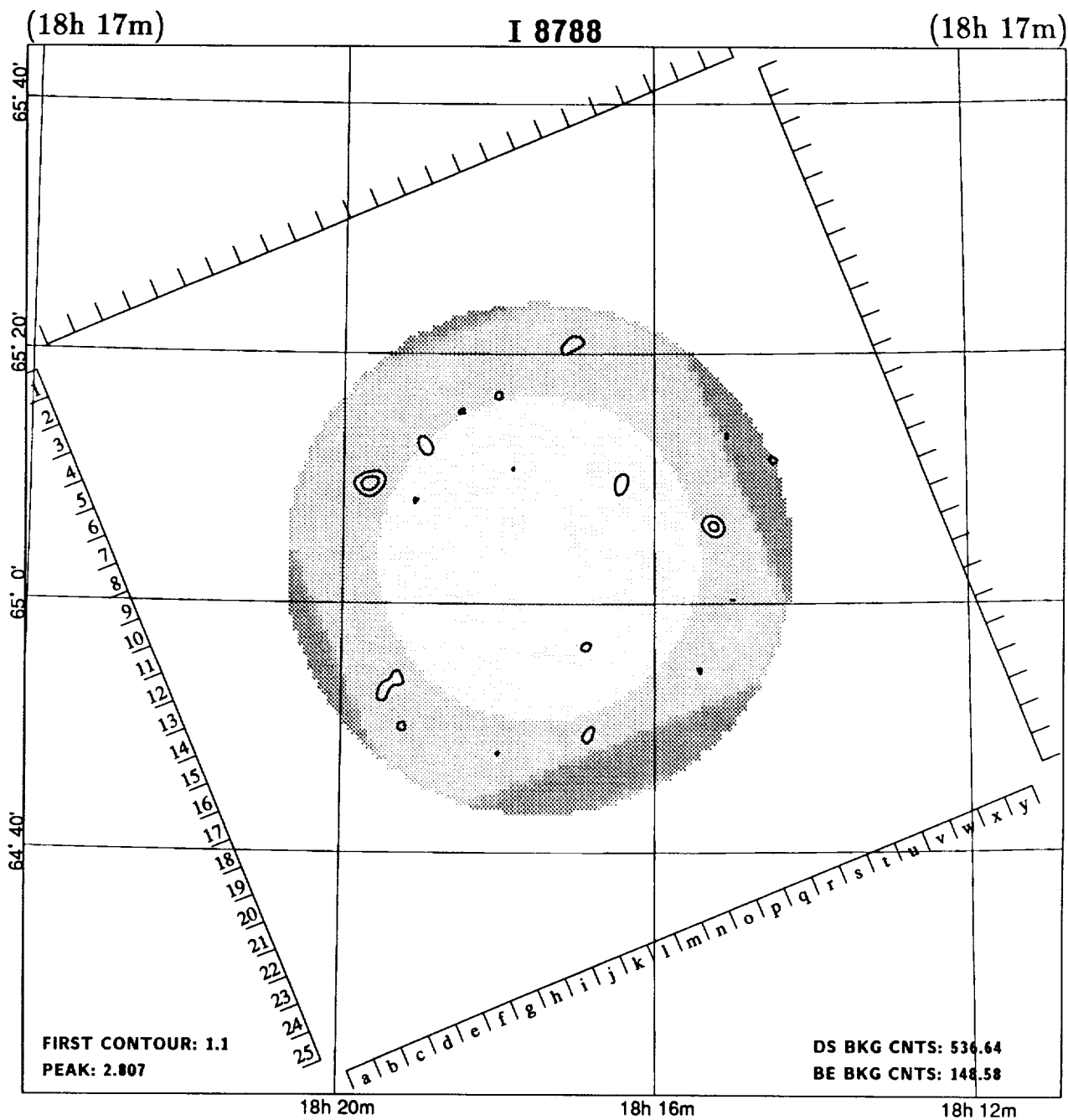


GSFC NEP SURVEY - FIELD # 59 -4 3

FIELD CENTER: $18^h 17^m 22.8^s$ $65^\circ 02' 57''$ (B1950)
 $18^h 17^m 33.3^s$ $65^\circ 04' 13''$ (J2000)
 $l: 94.77$ $b: 27.95$

DATE: 1980/150 - 1980/150
 LIVETIME: 893.1s
 ROLL ANGLE: -22.7°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 55 -1 4

FIELD CENTER: $18^h 17^m 24.2^s$ $65^\circ 02' 35''$ (B1950)
 $18^h 17^m 34.7^s$ $65^\circ 03' 52''$ (J2000)
 ℓ : 94.76 b : 27.95

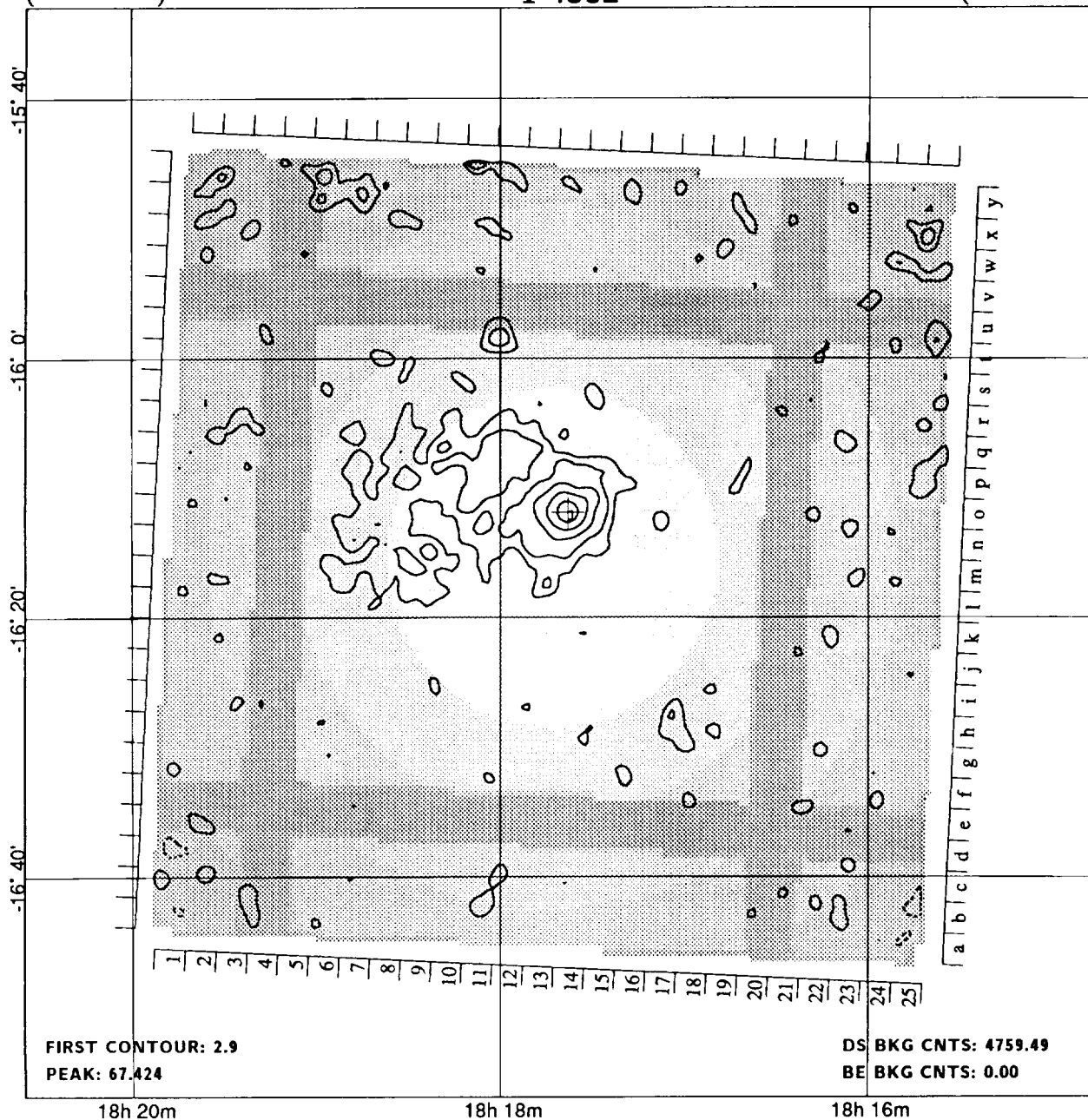
DATE: 1980/146 - 1980/146
 LIVETIME: 434.9s
 ROLL ANGLE: -22.7°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS: L

(18h 17m)

I 4582

(18h 17m)

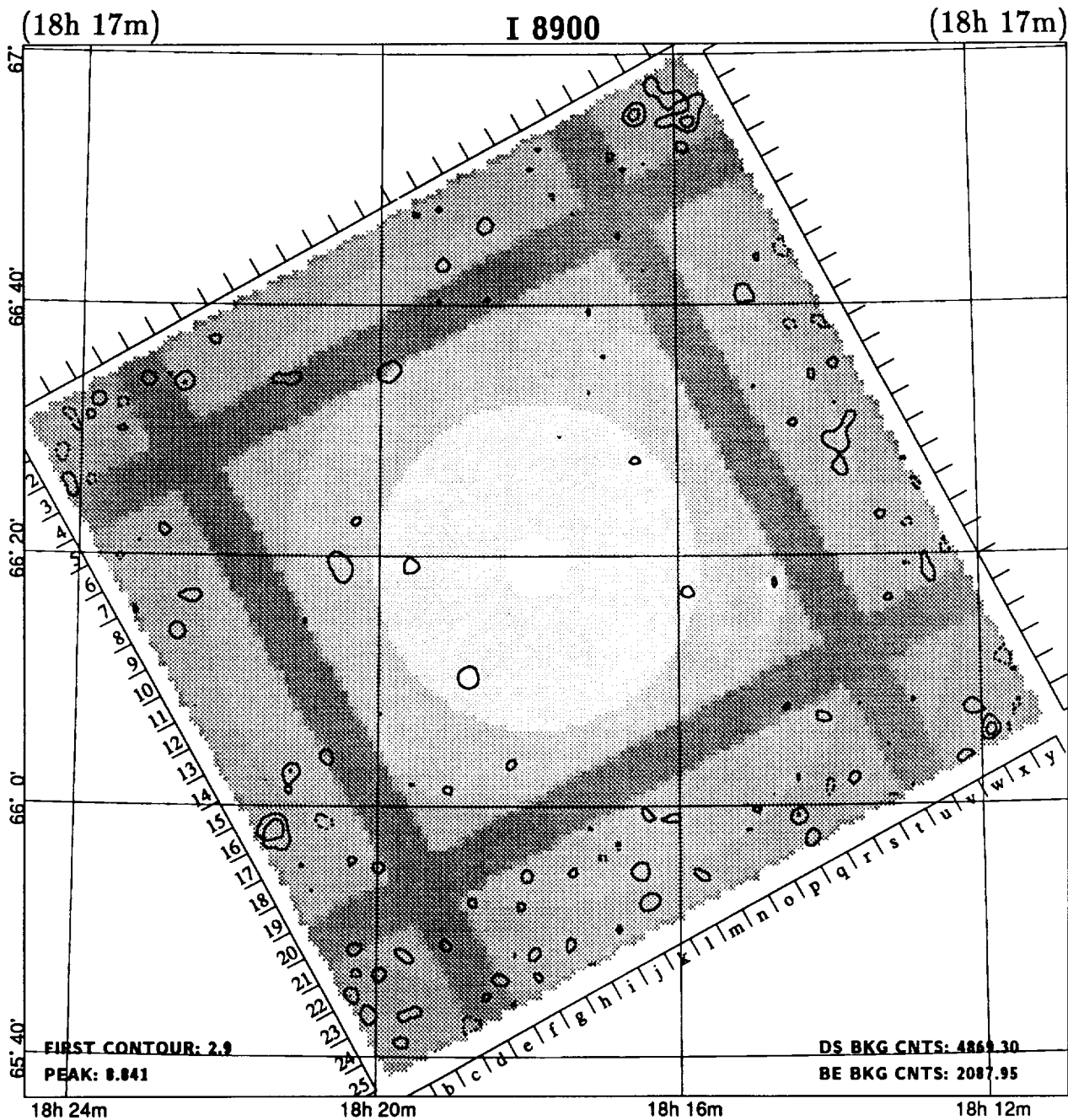


FIELD CENTER: $18^{\text{h}}17^{\text{m}}39.8^{\text{s}}$ $-16^{\circ}14'59''$ (B1950)
 $18^{\text{h}}20^{\text{m}}33.0^{\text{s}}$ $-16^{\circ}13'36''$ (J2000)
 $l: 15.02$ $b: -0.72$

DATE: 1980/ 92 - 1980/ 92
 LIVETIME: 3856.7s
 ROLL ANGLE: -87.4°

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4056	1L	18 17 37.8	-16 11 53	31	0.0770	0.0072	215.2	76.8	10.6	3.6	0	3.2		†



GSFC NEP SURVEY - FIELD # 167 -7 -2

FIELD CENTER: $18^h 17^m 45.6^s$ $66^\circ 18' 52''$ (B1950)
 $18^h 17^m 47.5^s$ $66^\circ 20' 09''$ (J2000)
 $l: 96.20$ $b: 28.03$

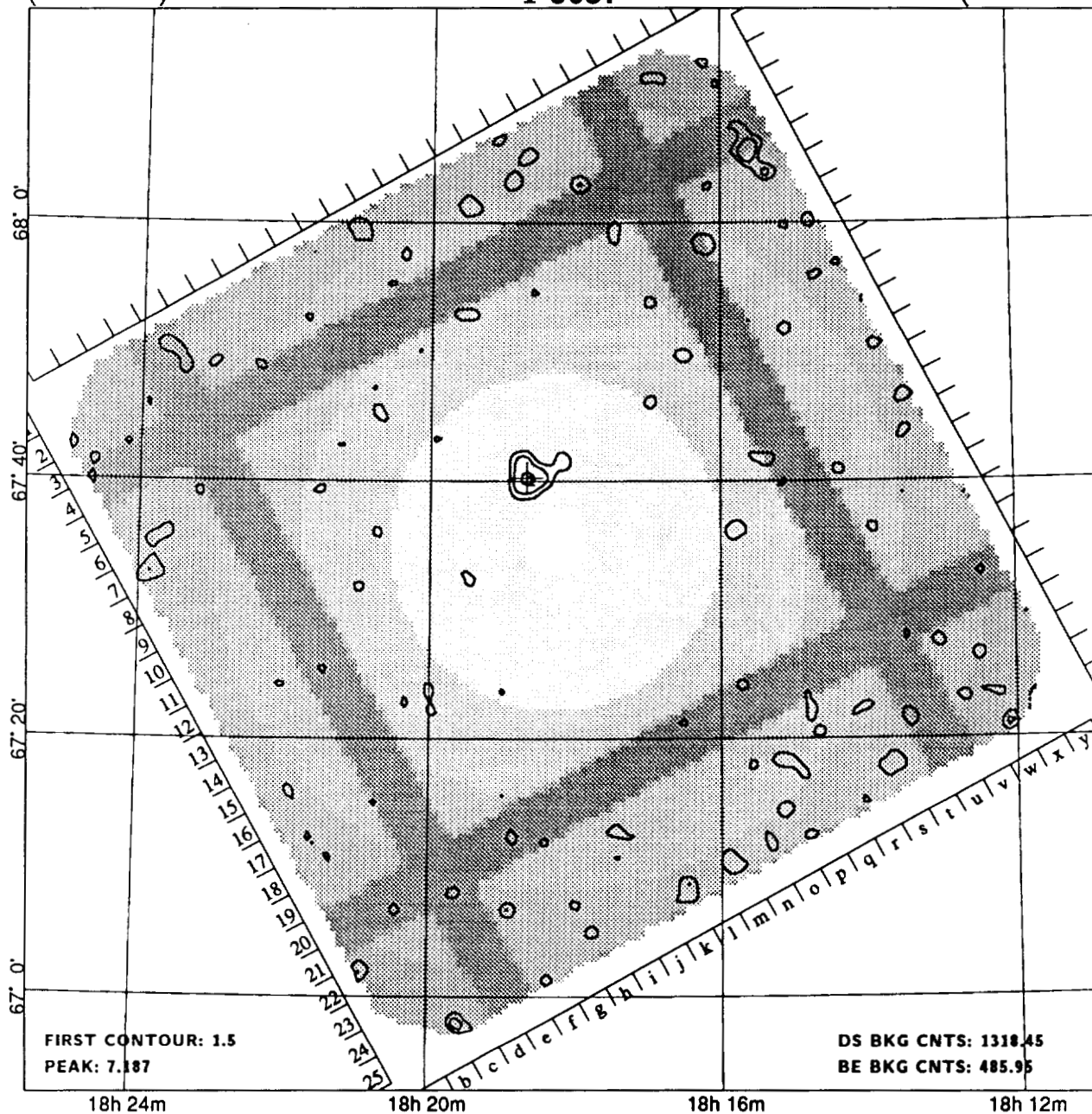
DATE: 1980/148 - 1980/148
 LIVETIME: 3945.7s
 ROLL ANGLE: -28.8°

NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

(18h 18m)

I 8657

(18h 18m)



GSFC NEP SURVEY - FIELD # 163 -7 2

FIELD CENTER: $18^{\text{h}}18^{\text{m}}12.1^{\text{s}}$ $67^{\circ}34'40''$ (B1950)
 $18^{\text{h}}18^{\text{m}}04.4^{\text{s}}$ $67^{\circ}35'59''$ (J2000)
 ℓ : 97.63 b : 28.08

DATE: 1980/149 - 1980/149

NH: $5.4\text{E}+20$

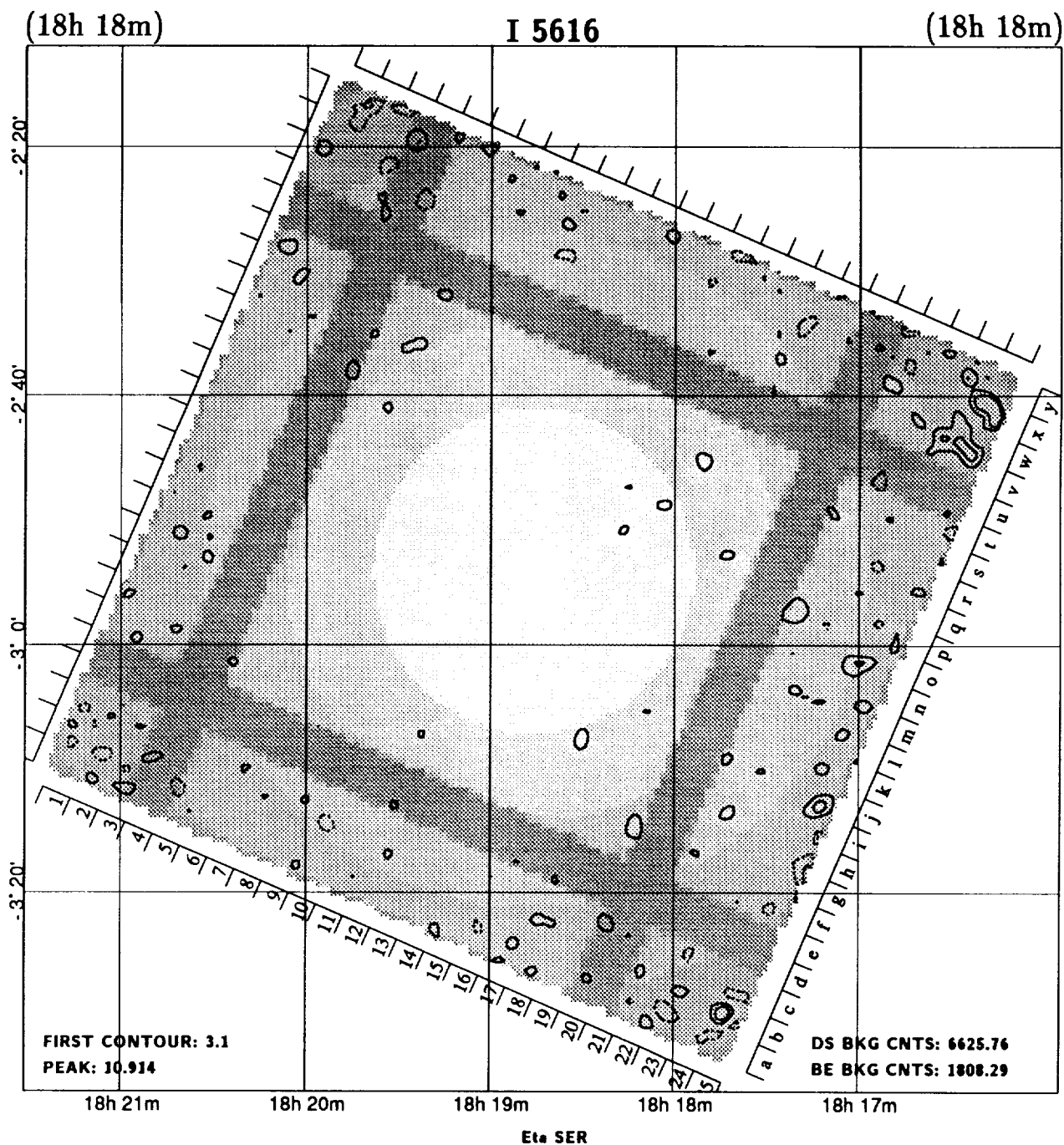
LIVETIME: 1068.4s

REF/ID:

ROLL ANGLE: -28.9°

FIELD FLAGS:

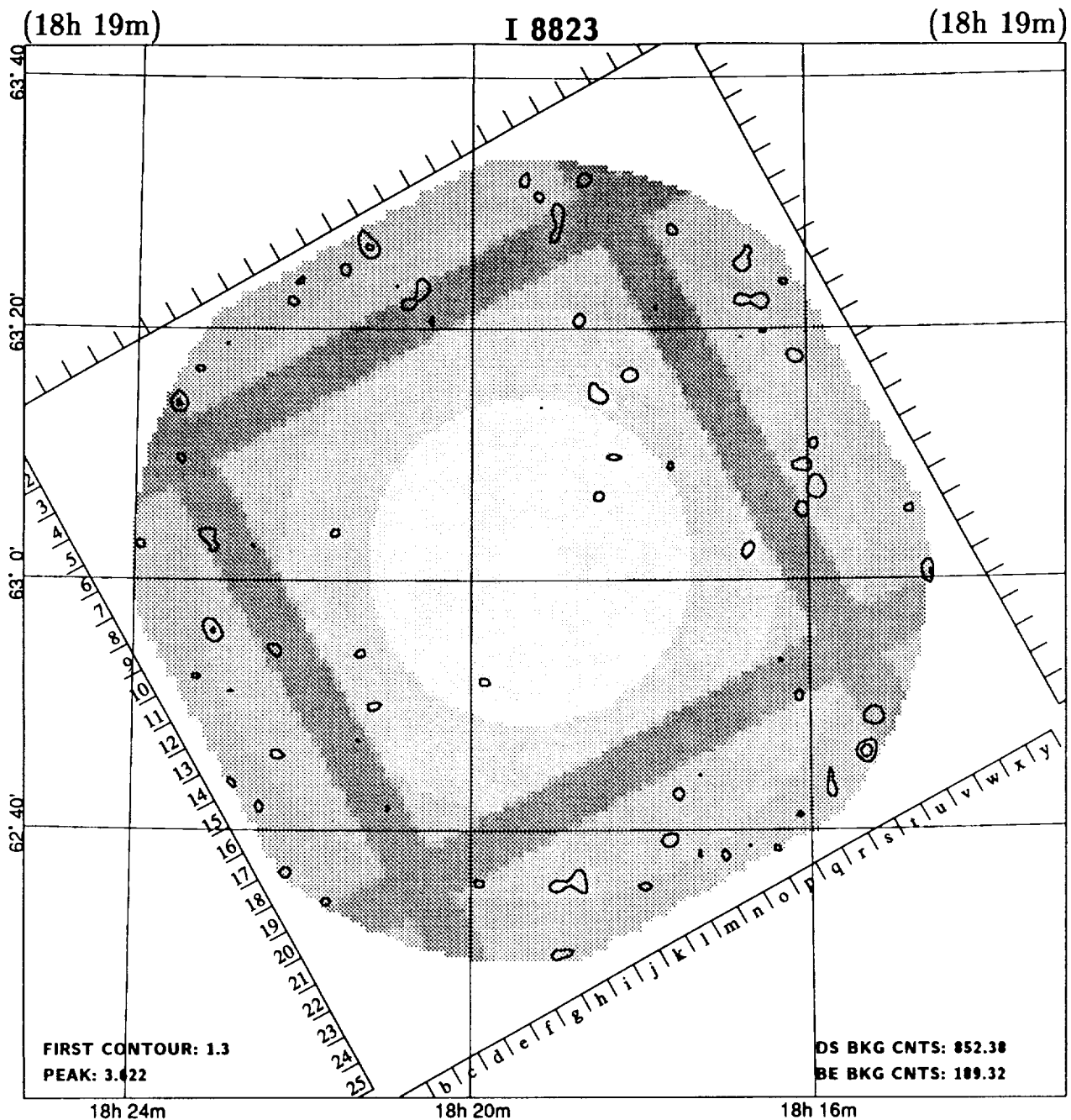
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4057	1	18 18 40.5	67 40 15	42	0.0375	0.0076	28.4	4.6	4.9	1.2	0	6.5	H



FIELD CENTER: $18^h 18^m 42.8^s$ $-02^\circ 53' 59''$ (B1950)
 $18^h 21^m 20.0^s$ $-02^\circ 52' 32''$ (J2000)
 $l: 26.92$ $b: 5.37$

DATE: 1981/ 94 - 1981/ 94
 LIVETIME: 5369.0s
 ROLL ANGLE: -66.7°

NH: $3.6E+21$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 90 -3 5

FIELD CENTER: $18^h 19^m 08.6^s$ $63^\circ 00' 44''$ (B1950)
 $18^h 19^m 31.6^s$ $63^\circ 02' 08''$ (J2000)
 $l: 92.50$ $b: 27.54$

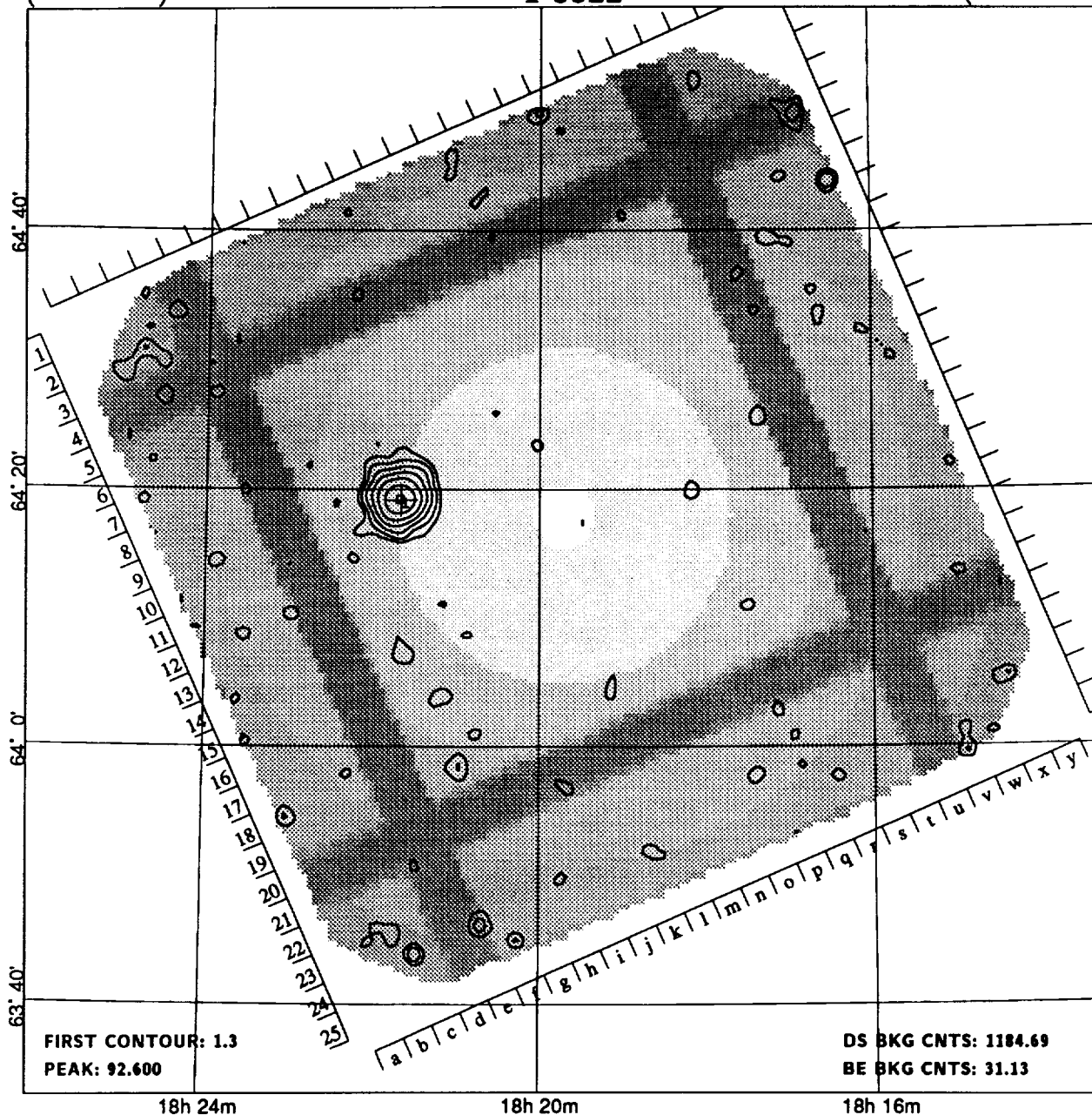
DATE: 1980/150 - 1980/150
 LIVETIME: 690.7s
 ROLL ANGLE: -29.1°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(18h 19m)

I 8822

(18h 19m)



GSFC NEP SURVEY - FIELD # 89 -2 5

FIELD CENTER: $18^{\text{h}}19^{\text{m}}41.9^{\text{s}}$ $64^{\circ}15'22''$ (B1950)
 $18^{\text{h}}19^{\text{m}}57.6^{\text{s}}$ $64^{\circ}16'49''$ (J2000)
 ℓ : 93.91 b : 27.63

DATE: 1980/146 - 1980/146

NH: 4.0E+20

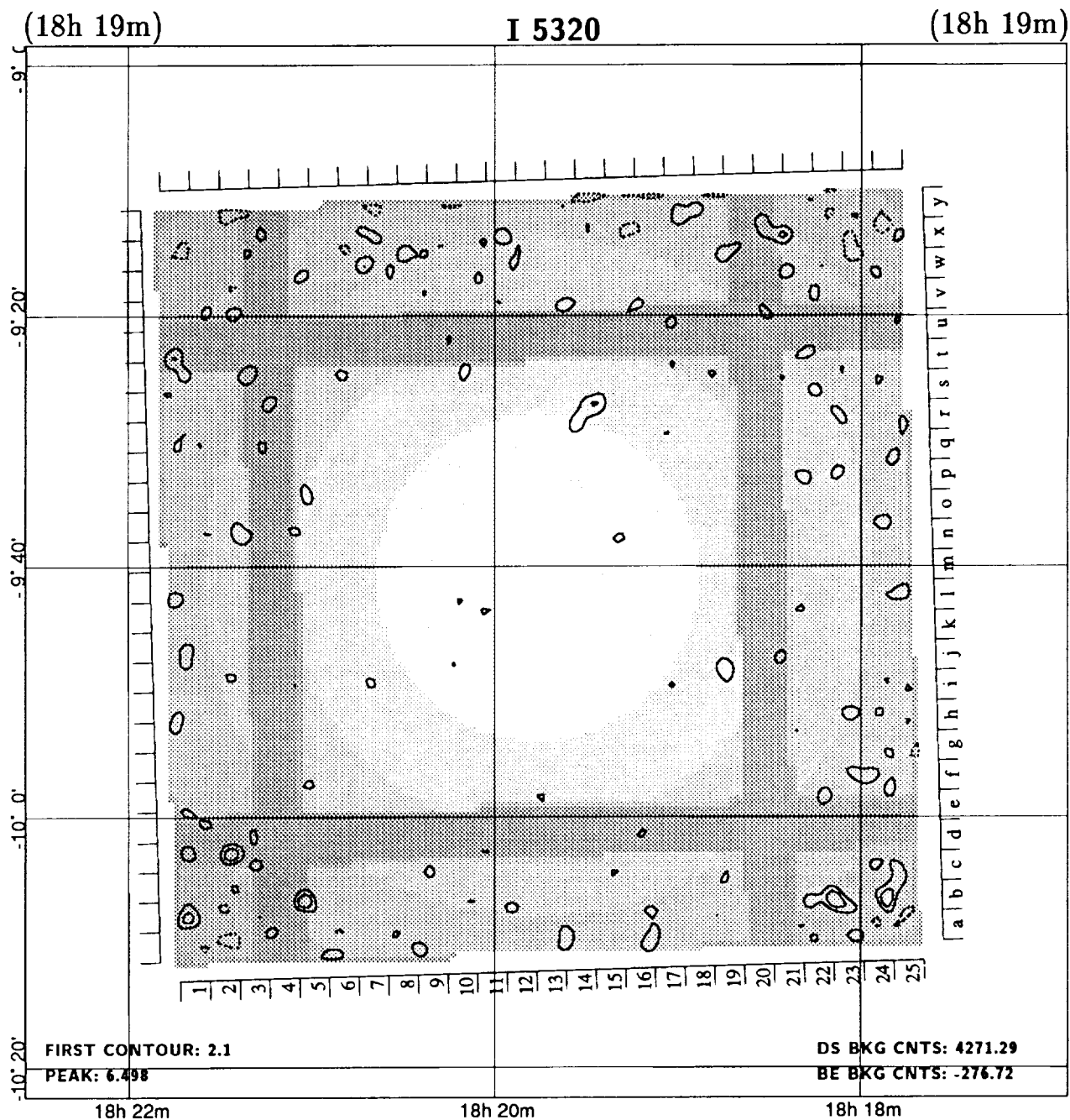
LIVETIME: 960.0s

REF/ID:

ROLL ANGLE: -23.8°

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4066	1	18 21 40.1	64 19 11	38	0.552	0.030	331.3	2.7	18.1	1.3	0	13.5	AH	AGN



SEARCH FOR YOUNG GALACTIC SNR

FIELD CENTER: $18^{\text{h}}19^{\text{m}}43.3^{\text{s}}$ $-09^{\circ}40'24''$ (B1950)
 $18^{\text{h}}22^{\text{m}}28.4^{\text{s}}$ $-09^{\circ}38'52''$ (J2000)
 $l: 21.05$ $b: 1.96$

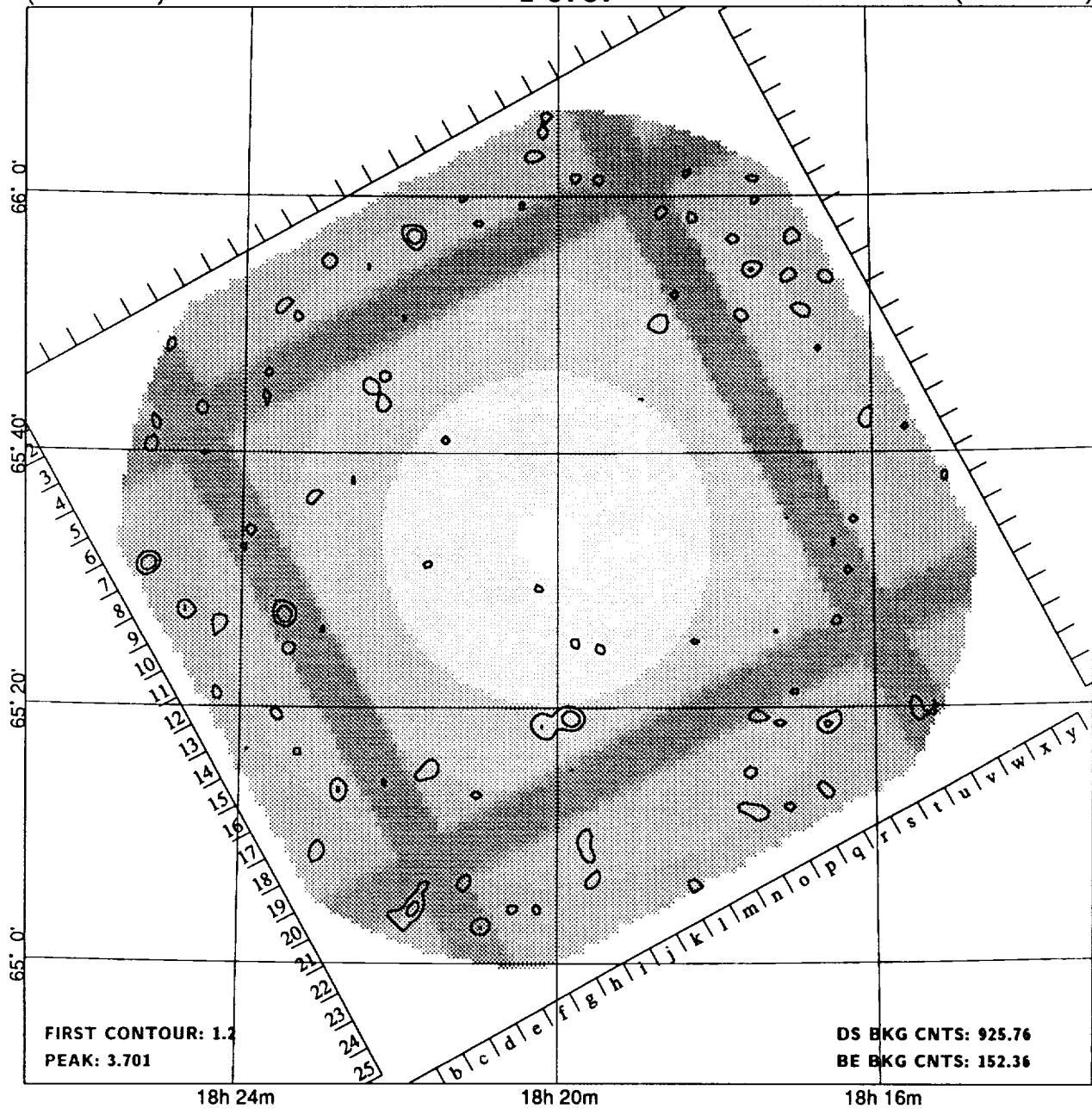
DATE: 1980/ 84 - 1980/ 84
 LIVETIME: 3585.4s
 ROLL ANGLE: -91.6°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 19m)

I 8787

(18h 19m)



GSFC NEP SURVEY - FIELD # 54 0 4

FIELD CENTER: $18^h 19^m 58.5^s$ $65^\circ 32' 44''$ (B1950)
 $18^h 20^m 05.9^s$ $65^\circ 34' 12''$ (J2000)
 $l: 95.36$ $b: 27.73$

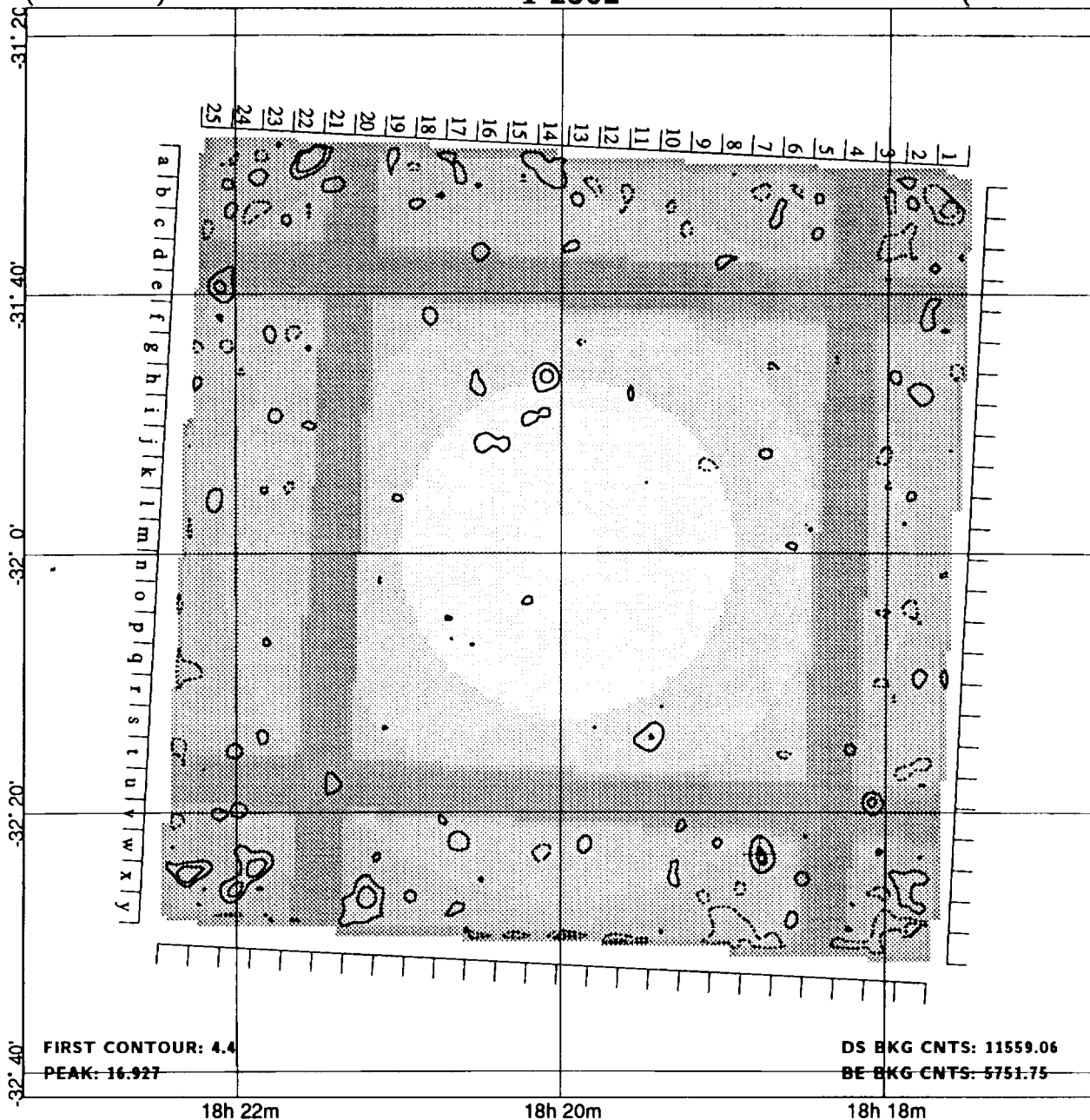
DATE: 1980/148 - 1980/148
 LIVETIME: 750.2s
 ROLL ANGLE: -28.8°

NH: $5.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 19m)

I 2362

(18h 19m)



SOUTHERN HEMISPHERE SURVEY :VAN DEN BERG'S WINDOW

FIELD CENTER: $18^{\text{h}}19^{\text{m}}59.8^{\text{s}}$ $-31^{\circ}59'59''$ (B1950)
 $18^{\text{h}}23^{\text{m}}15.1^{\text{s}}$ $-31^{\circ}58'25''$ (J2000)
 $l: 1.29$ $b: -0.56$

DATE: 1979/264 - 1979/264

NH: 1.5E+21

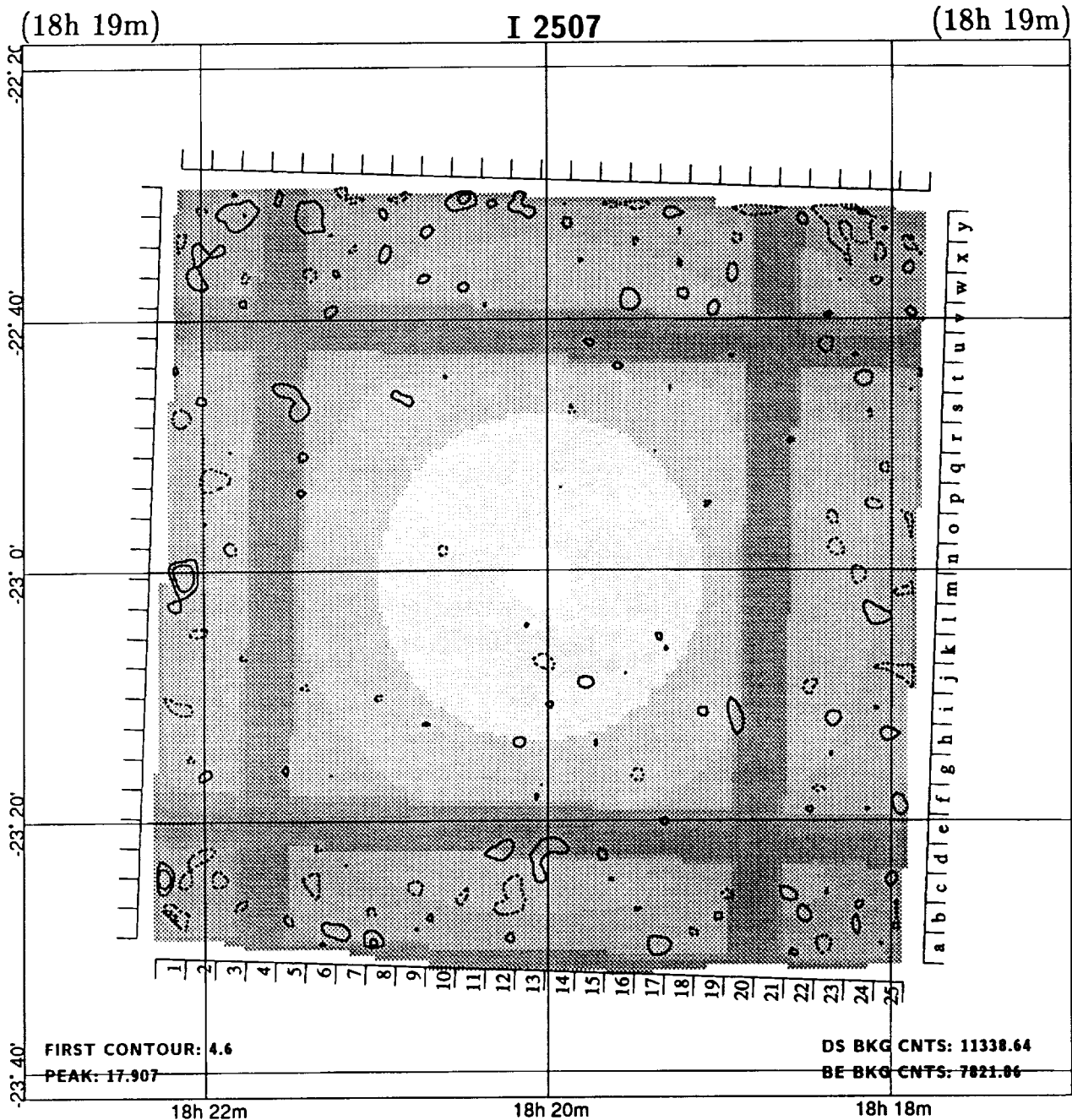
LIVETIME: 9366.6s

REF/ID:

ROLL ANGLE: 92.9°

FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4058	1L	18 18 46.2	-32 23 15	86	0.0099	0.0023	35.5	11.5	4.2	0.6	200	28.0		



GALACTIC CENTER SURVEY :VAN DEN BERG'S WINDOW

FIELD CENTER: $18^h 19^m 59.8^s$ $-22^\circ 59' 59''$ (B1950)
 $18^h 23^m 01.8^s$ $-22^\circ 58' 25''$ (J2000)
 l : 9.33 b : -4.40

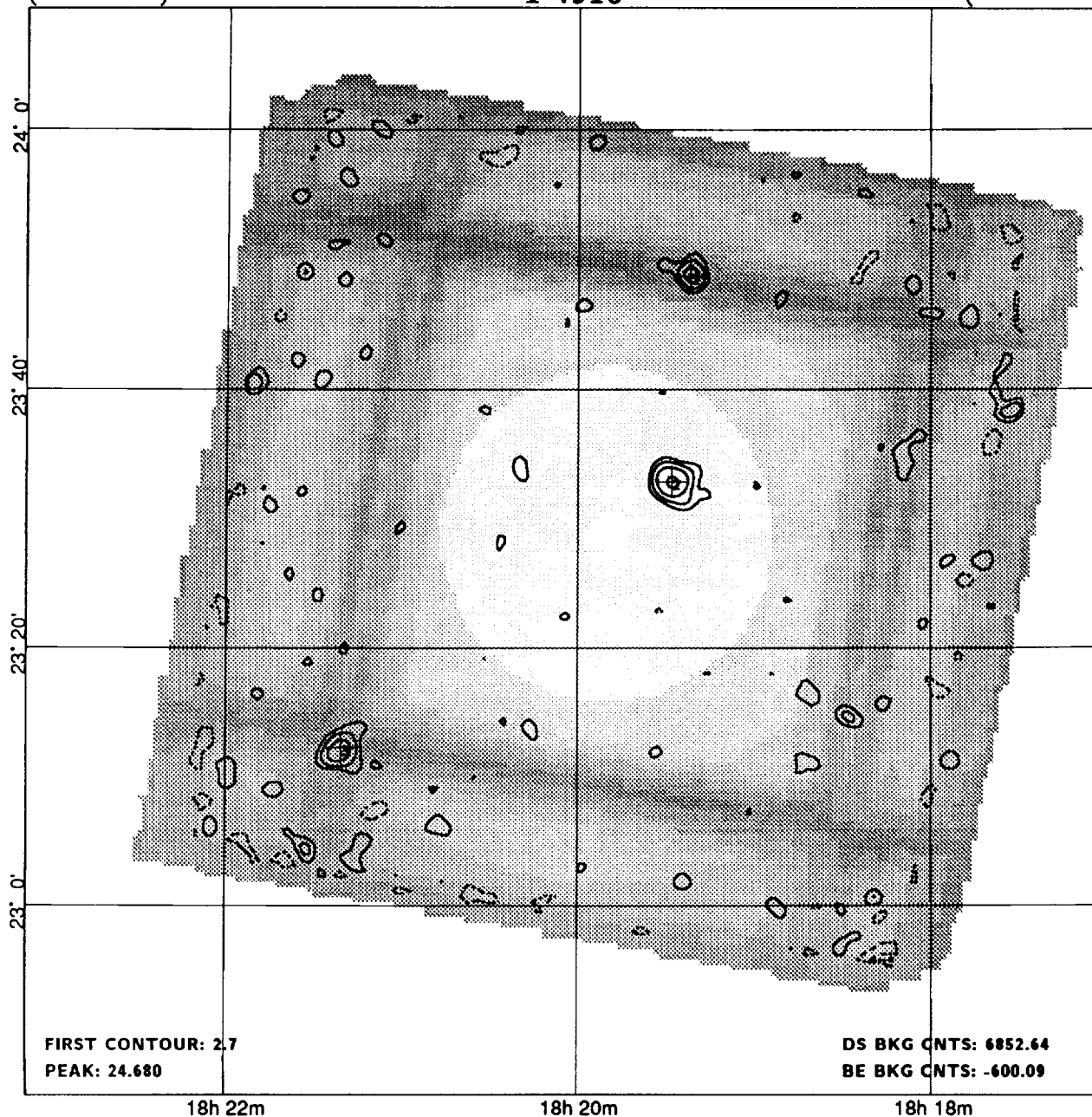
DATE: 1980/101 - 1980/101
 LIVETIME: 9518.0s
 ROLL ANGLE: -88.0°

NH: $2.6E+21$
 REF/ID: !
 FIELD FLAGS: L

(18h 20m)

I 4910

(18h 20m)



SYMBIOTIC STARS: MWC 603

FIELD CENTER: $18^{\text{h}}20^{\text{m}}04.9^{\text{s}}$ $23^{\circ}27'29''$ (B1950)

DATE: 1979/283 - 1979/283

NH: $1.2\text{E}+21$ $18^{\text{h}}22^{\text{m}}09.8^{\text{s}}$ $23^{\circ}29'02''$ (J2000)

LIVETIME: 5552.9s

REF/ID:

 ℓ : 51.26 b : 16.60

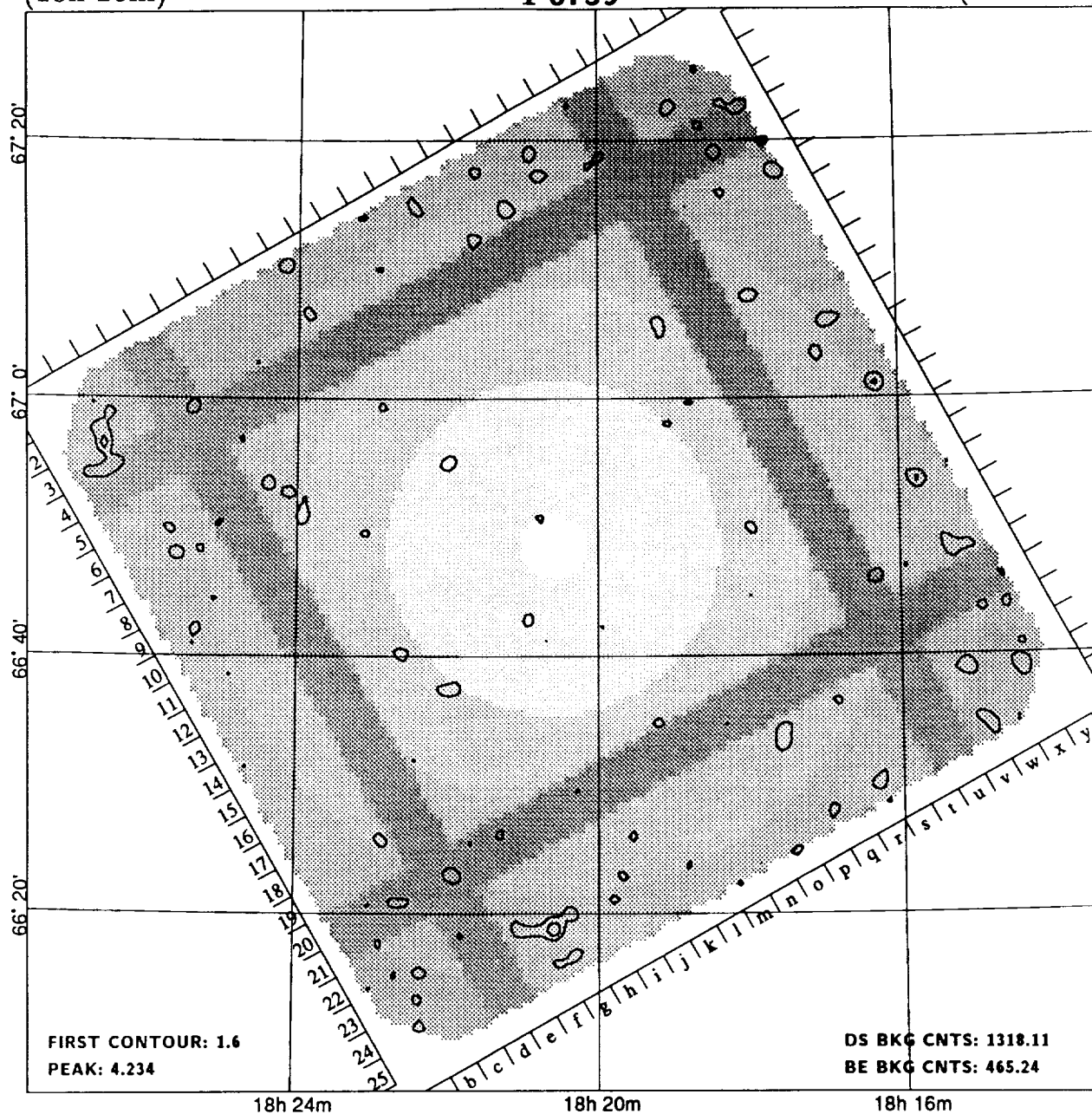
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4059	1	18 19 21.7	23 48 41	51	*0.0108	0.0022	30.1	6.9	4.9	0.8	1609	23.4		
4060	2	18 19 28.0	23 32 54	38	0.0251	0.0027	98.9	16.1	9.2	1.1	0	10.2	H	
4063	3	18 21 20.7	23 12 19	51	*0.0157	0.0028	35.5	5.5	5.6	1.0	1609	23.2		

(18h 20m)

I 8759

(18h 20m)



GSFC NEP SURVEY - FIELD # 26 3 3

FIELD CENTER: $18^{\text{h}}20^{\text{m}}27.0^{\text{s}}$ $66^{\circ}48'14''$ (B1950)
 $18^{\text{h}}20^{\text{m}}25.5^{\text{s}}$ $66^{\circ}49'43''$ (J2000)
 $l: 96.78$ $b: 27.80$

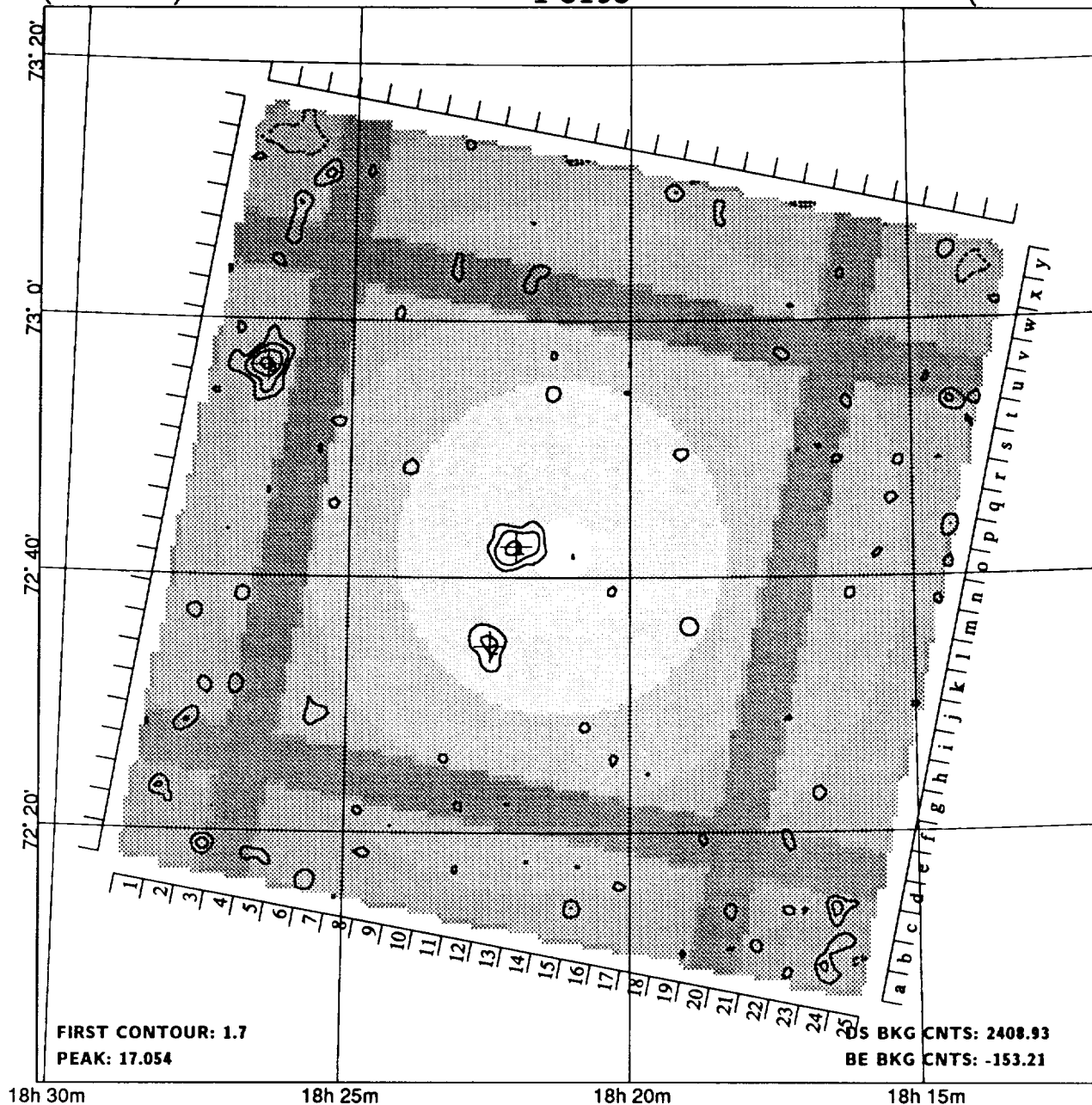
DATE: 1980/149 - 1980/149
 LIVETIME: 1068.1s
 ROLL ANGLE: -29.4°

NH: $5.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 21m)

I 5193

(18h 21m)



STAR CHI DRA, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $18^h 21^m 03.8^s$ $72^\circ 42' 29''$ (B1950)
 $18^h 20^m 03.7^s$ $72^\circ 43' 59''$ (J2000)
 ℓ : 103.45 b : 28.13

DATE: 1980/ 96 - 1980/ 96
 LIVETIME: 2022.1s
 ROLL ANGLE: -79.3°

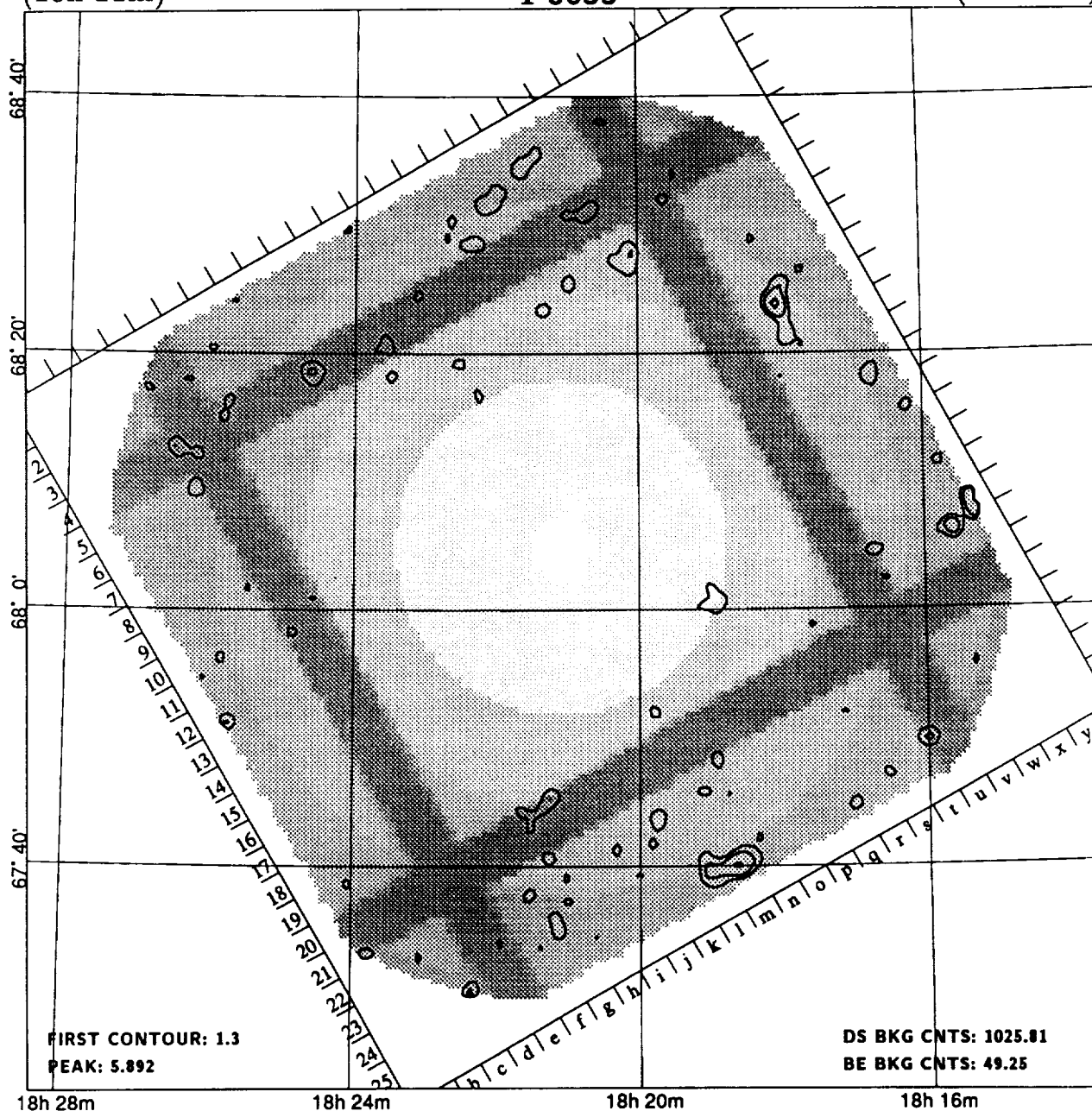
NH: $5.8E+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4068	1	18 22 01.7	72 42 23	36	0.0229	0.0043	33.6	6.4	5.3	1.5	0	3.9	H	S
4069	2	18 22 28.6	72 34 33	47	0.0135	0.0036	18.4	5.6	3.8	1.0	0	9.7		
4077	3	18 26 31.3	72 56 27	51	0.0385	0.0074	30.3	3.7	5.2	1.1	0	28.0	H	

(18h 21m)

I 8653

(18h 21m)



FIELD CENTER: $18^{\text{h}}21^{\text{m}}04.0^{\text{s}}$ $68^{\circ}04'49''$ (B1950)
 $18^{\text{h}}20^{\text{m}}52.4^{\text{s}}$ $68^{\circ}06'21''$ (J2000)
 ℓ : 98.22 b : 27.85

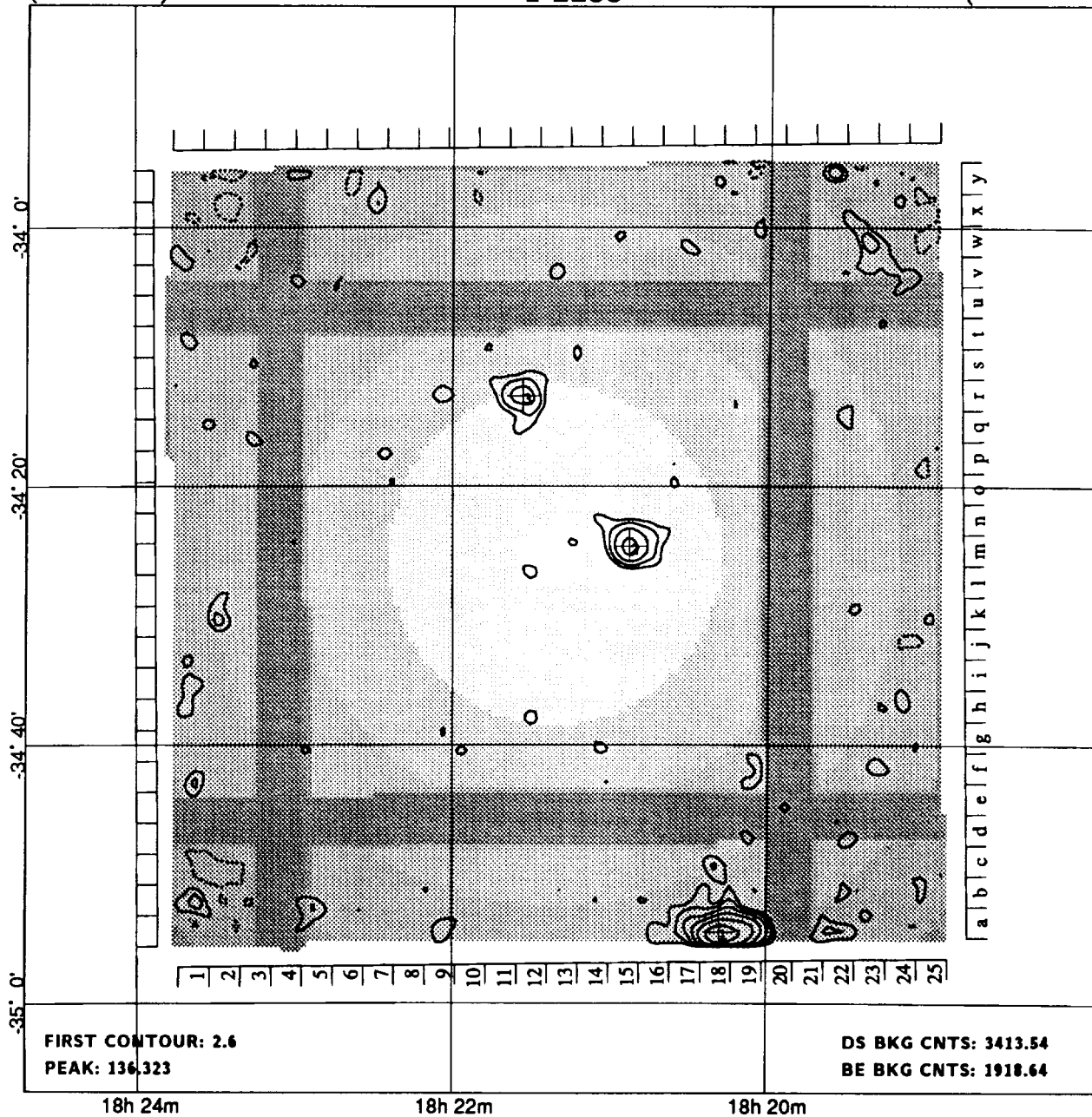
DATE: 1980/149 - 1980/149
LIVETIME: 831.2s
ROLL ANGLE: -29.5°

NH: $5.5\text{E}+20$
REF/ID:
FIELD FLAGS:

(18h 21m)

I 2233

(18h 21m)



STELLAR SURVEY-EARLY TYPE STARS: HD169022=EPSILON SGR

FIELD CENTER: $18^{\text{h}}21^{\text{m}}17.8^{\text{s}}$ $-34^{\circ}24'59''$ (B1950)
 $18^{\text{h}}24^{\text{m}}37.1^{\text{s}}$ $-34^{\circ}23'19''$ (J2000)
 $l: 359.23$ $b: -9.89$

DATE: 1979/ 98 - 1979/ 98

NH: 1.1E+21

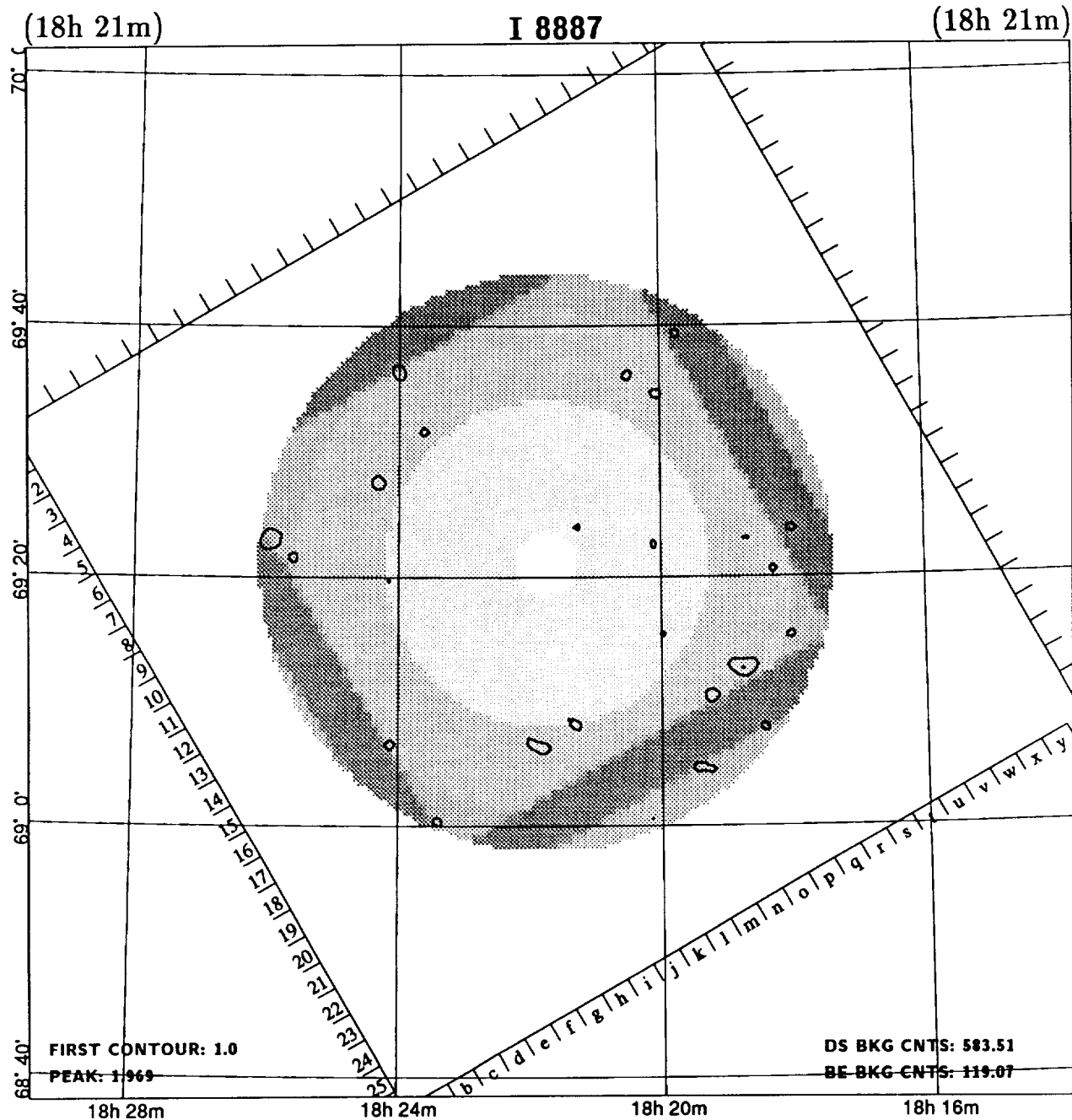
LIVETIME: 2766.1s

REF/ID:

ROLL ANGLE: -90.6°

FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4061	1L	18 20 18.0	-34 54 34	47	*0.181	0.020	235.6	70.4	9.2	1.4	703	32.1	I	
4062	2L	18 20 52.7	-34 24 43	38	0.0443	0.0064	86.6	28.4	6.8	1.2	0	5.1	S	
4064	3L	18 21 33.4	-34 13 08	41	0.0312	0.0055	54.5	14.5	5.5	1.2	0	12.2	S	



FIELD CENTER: $18^h 21^m 40.7^s$ $69^\circ 20' 29''$ (B1950)
 $18^h 21^m 18.0^s$ $69^\circ 22' 03''$ (J2000)
 $l: 99.65$ $b: 27.90$

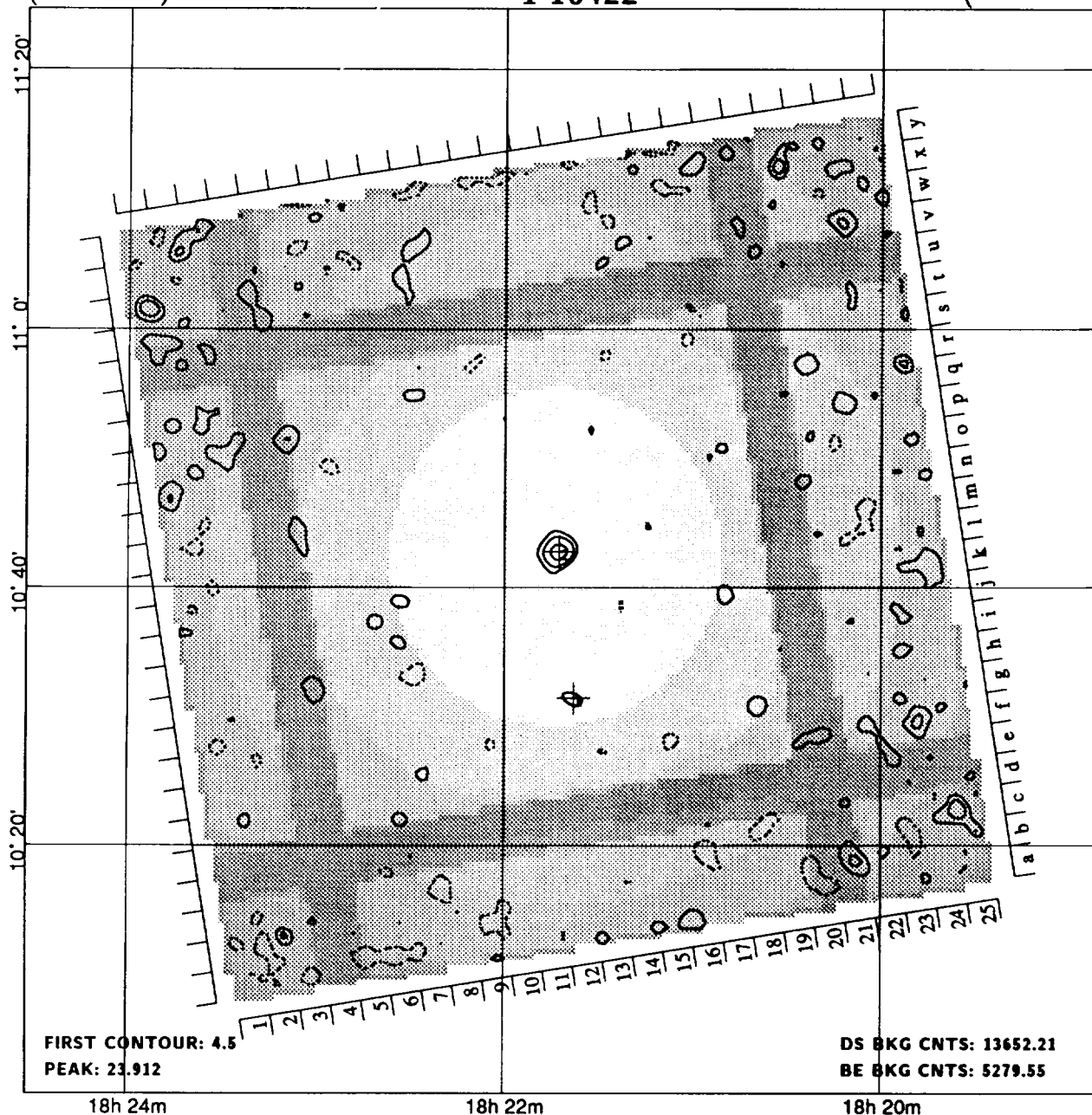
DATE: 1980/149 - 1980/149
 LIVETIME: 472.8s
 ROLL ANGLE: -29.7°

NH: $6.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 21m)

I 10422

(18h 21m)



PKS 1821+10, MEASUREMENT OF CONTINUUM & ITS EXCESS

FIELD CENTER: 18^h21^m41.4^s 10°42'43" (B1950)
18^h24^m02.6^s 10°44'23" (J2000)
 ℓ : 39.51 b : 10.91

DATE: 1981/ 65 - 1981/ 66
LIVETIME: 11062.8s
ROLL ANGLE: -99.0°

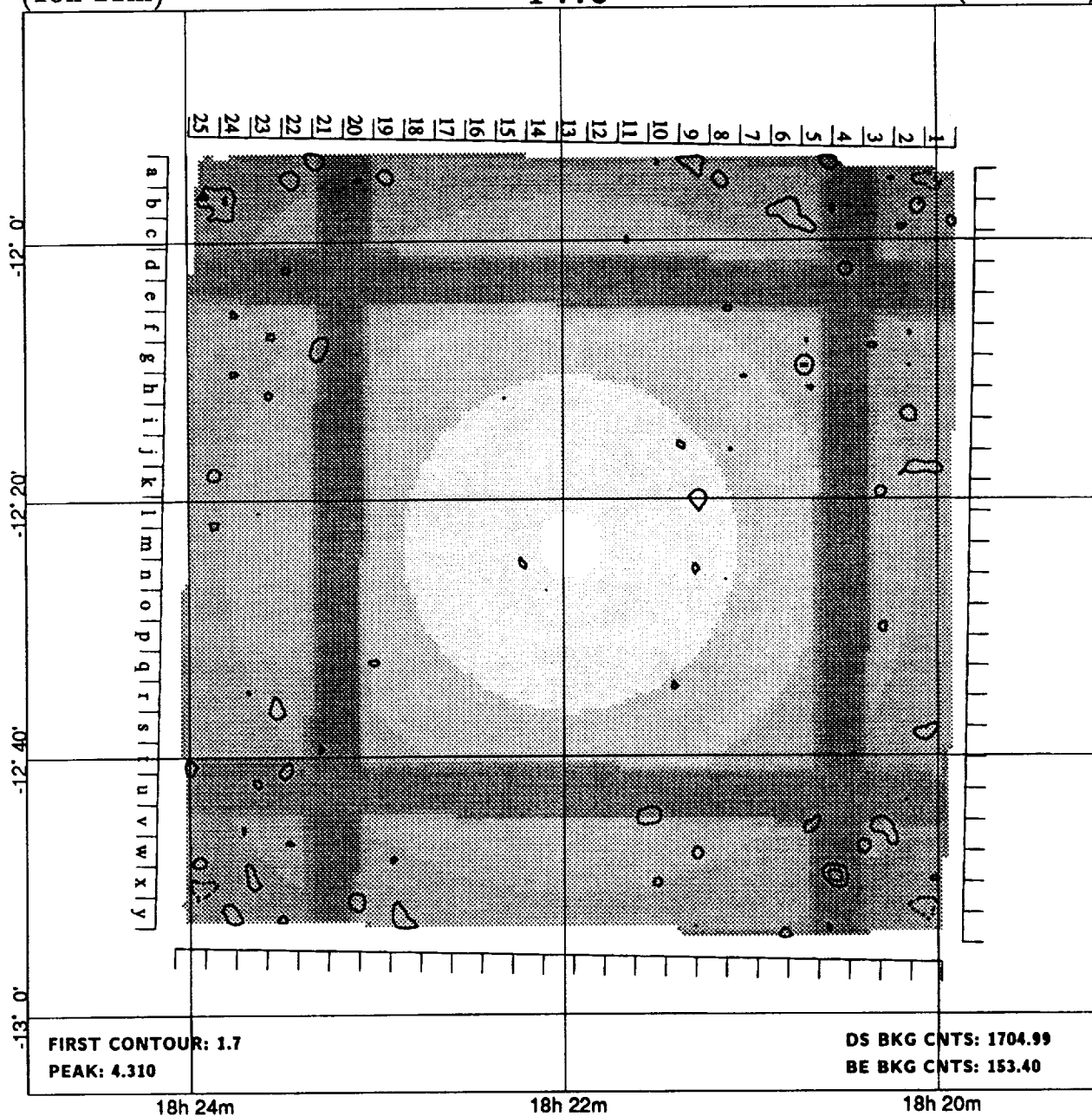
NH: 1.4E+21
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4065	1L	18 21 37.7	10 31 22	51	0.0049	0.0014	35.6	29.4	3.5	0.3	0	11.4		
4067	2L	18 21 42.5	10 42 42	32	0.0105	0.0017	87.1	46.9	6.2	0.8	0	0.2		

(18h 21m)

I 773

(18h 21m)



FIELD CENTER: $18^{\text{h}}21^{\text{m}}59.8^{\text{s}}$ $-12^{\circ}23'59''$ (B1950)
 $18^{\text{h}}24^{\text{m}}48.2^{\text{s}}$ $-12^{\circ}22'17''$ (J2000)
 $l: 18.91$ $b: 0.18$

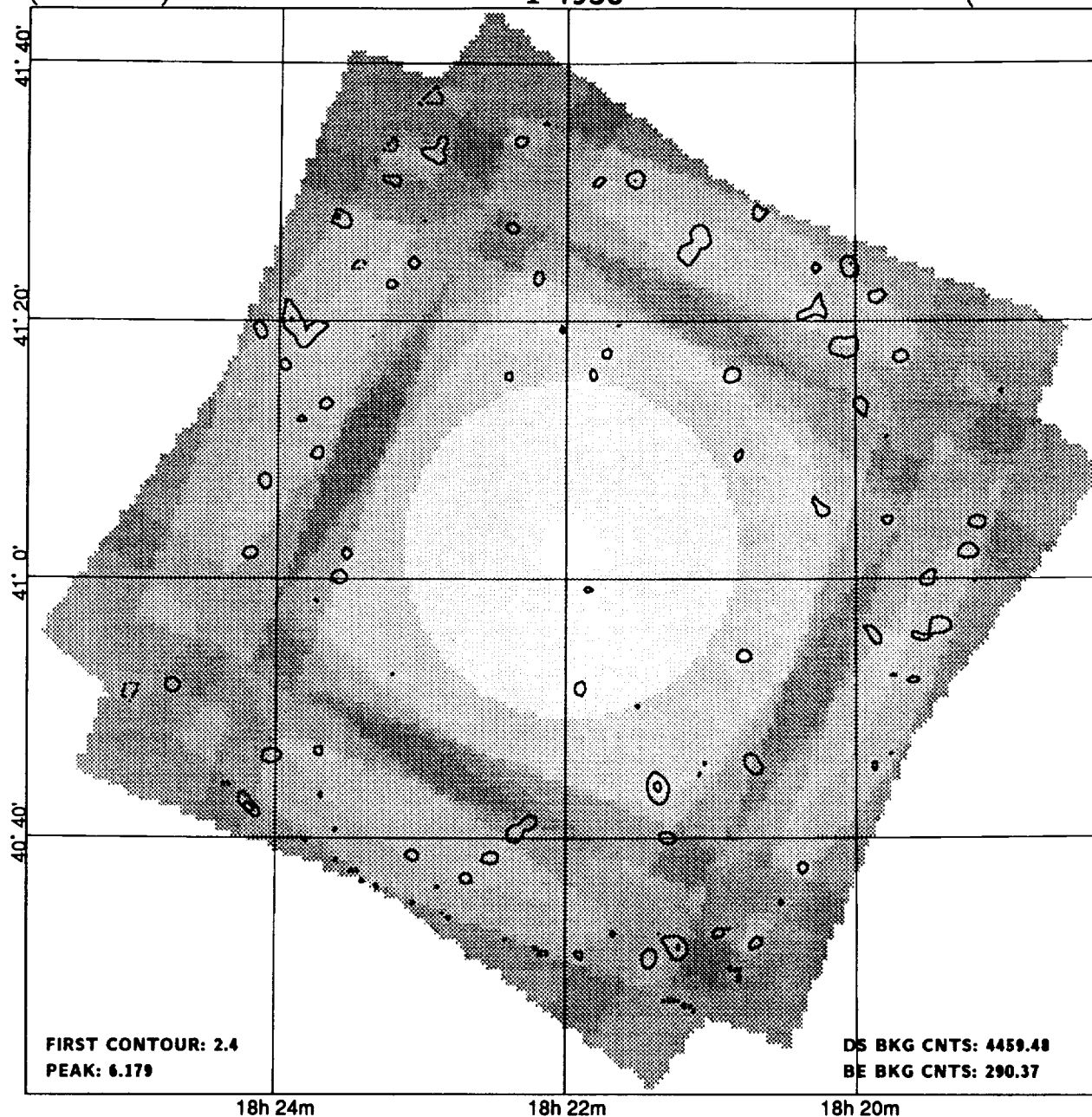
DATE: 1979/266 - 1979/266
 LIVETIME: 1381.6s
 ROLL ANGLE: 91.2°

NH: $1.6\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 22m)

I 4938

(18h 22m)



EG242: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $18^h 22^m 00.8^s$ $41^\circ 02' 11''$ (B1950)
 $18^h 23^m 36.7^s$ $41^\circ 03' 51''$ (J2000)
 $l: 68.89$ $b: 22.38$

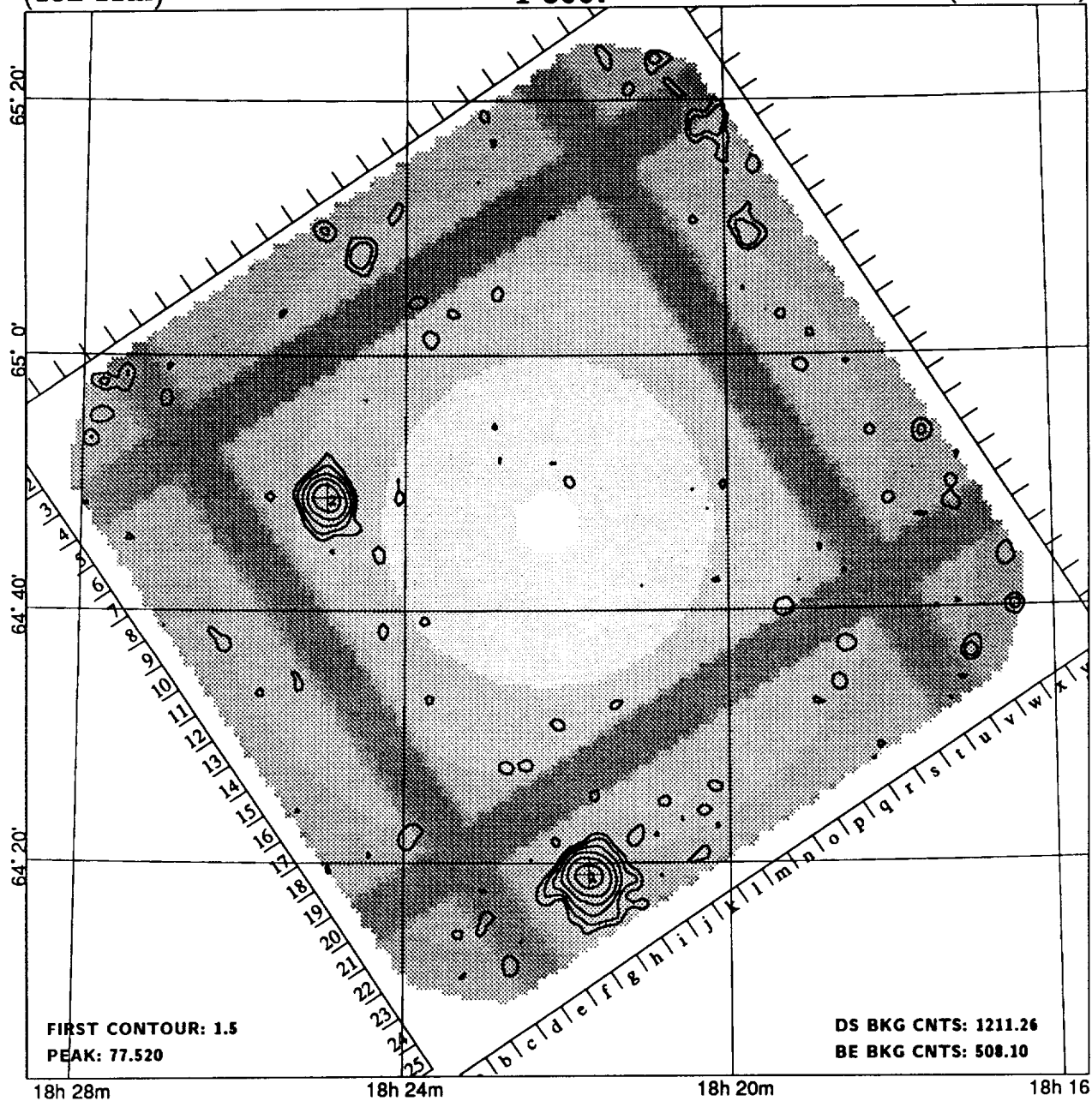
DATE: 1979/290 - 1979/310
LIVETIME: 3613.6s

NH: $4.3E+20$
REF/ID:
FIELD FLAGS:

(18h 22m)

I 8667

(18h 22m)



GSFC NEP SURVEY - FIELD # 173 7 -2

FIELD CENTER: $18^h 22^m 06.4^s$ $64^\circ 45' 18''$ (B1950)
 $18^h 22^m 19.1^s$ $64^\circ 46' 55''$ (J2000)
 $l: 94.50$ $b: 27.42$

DATE: 1980/149 - 1980/149
 LIVETIME: 981.5s
 ROLL ANGLE: -33.7°

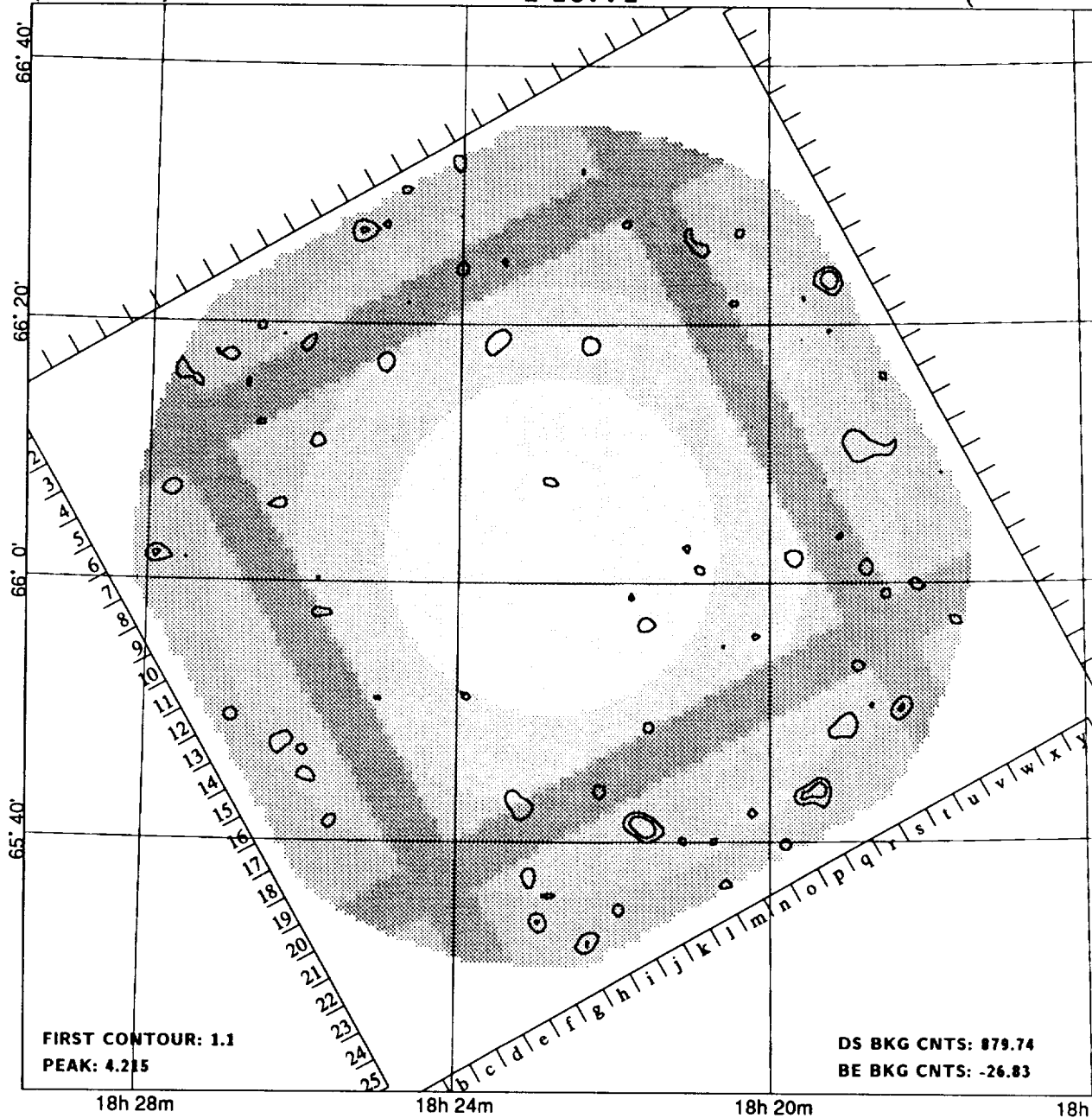
NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4066	1	18 21 44.1	64 19 04	47	0.494	0.036	185.8	2.2	13.5	1.5	0	26.1	AH AGN
4075	2	18 24 58.2	64 48 51	48	0.281	0.023	152.0	3.0	12.2	1.2	0	18.7	AH

(18h 22m)

I 10771

(18h 22m)



FIELD CENTER: $18^h 22^m 40.0^s$ $66^\circ 02' 37''$ (B1950)
 $18^h 22^m 44.1^s$ $66^\circ 04' 17''$ (J2000)
 $l: 95.95$ $b: 27.51$

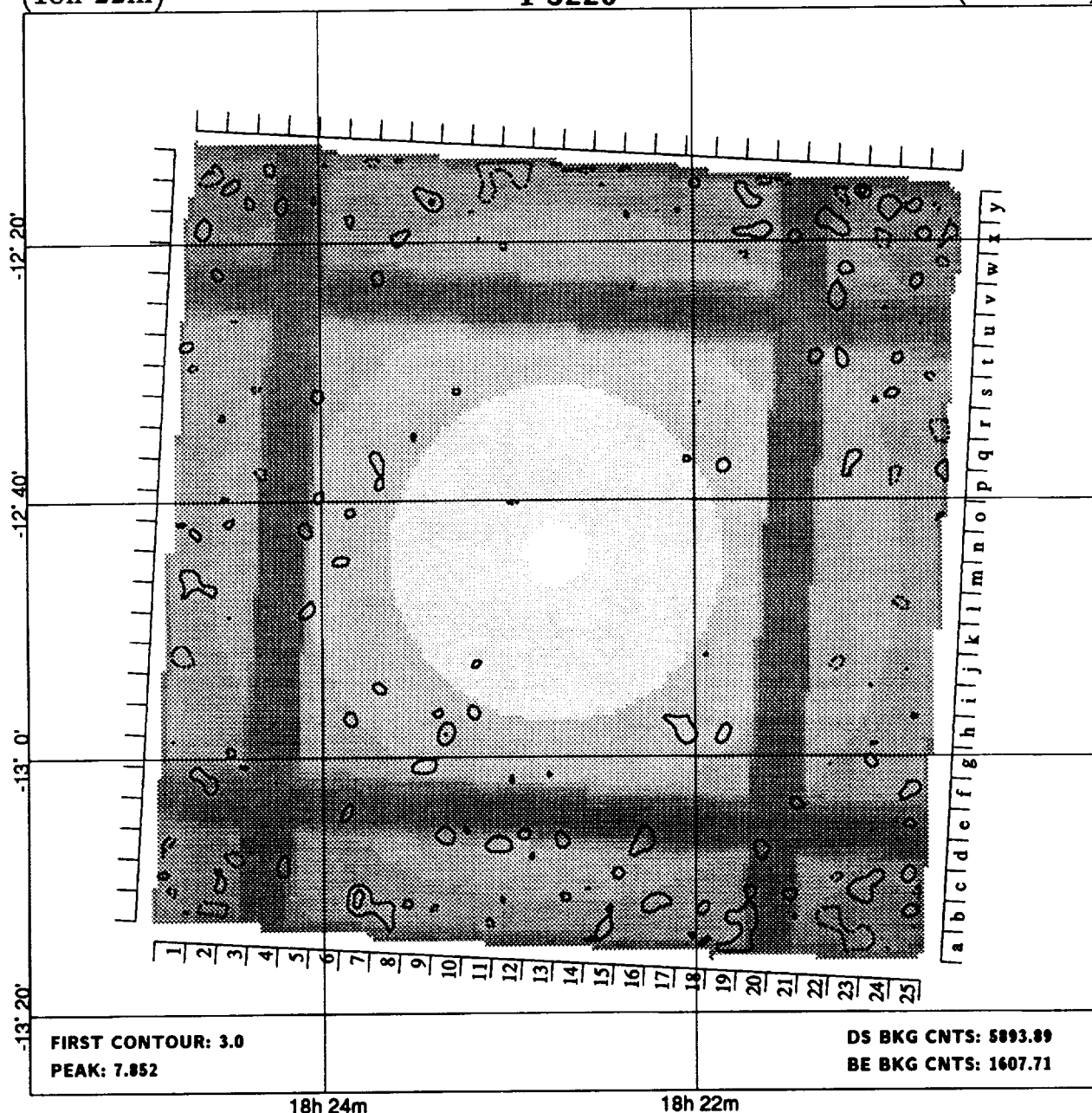
DATE: 1980/148 - 1980/148
 LIVETIME: 712.9s
 ROLL ANGLE: -29.4°

NH: $5.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 22m)

I 5220

(18h 22m)



STAR RYSCT,X-RAYS FROM BINARY O STARS

FIELD CENTER: $18^h 22^m 41.8^s$ $-12^\circ 43' 58''$ (B1950)
 $18^h 25^m 30.8^s$ $-12^\circ 42' 13''$ (J2000)
 $l: 18.69$ $b: -0.13$

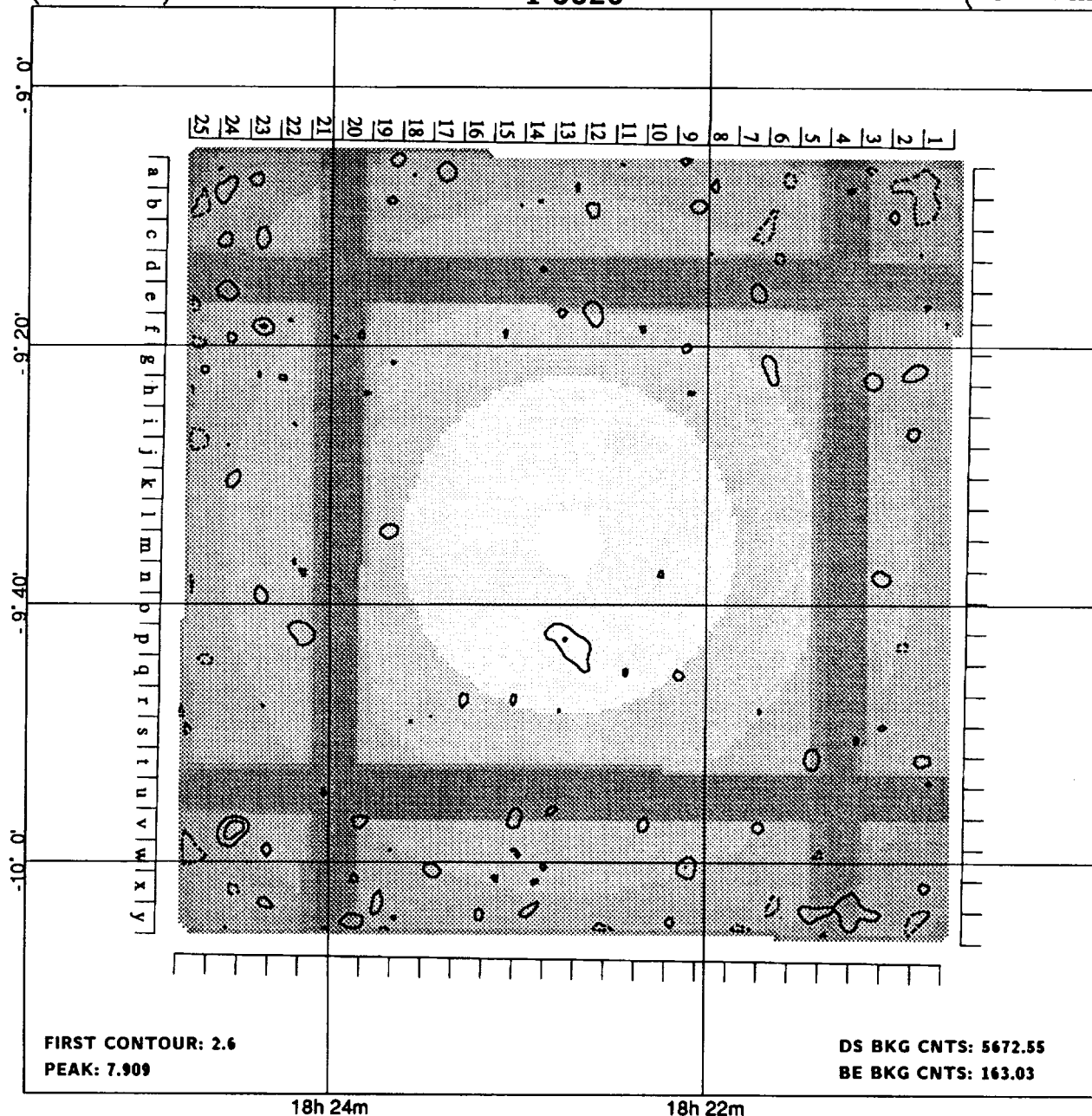
DATE: 1980/ 91 - 1980/ 92
 LIVETIME: 4947.5s
 ROLL ANGLE: -86.7°

NH: $8.6E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 22m)

I 3826

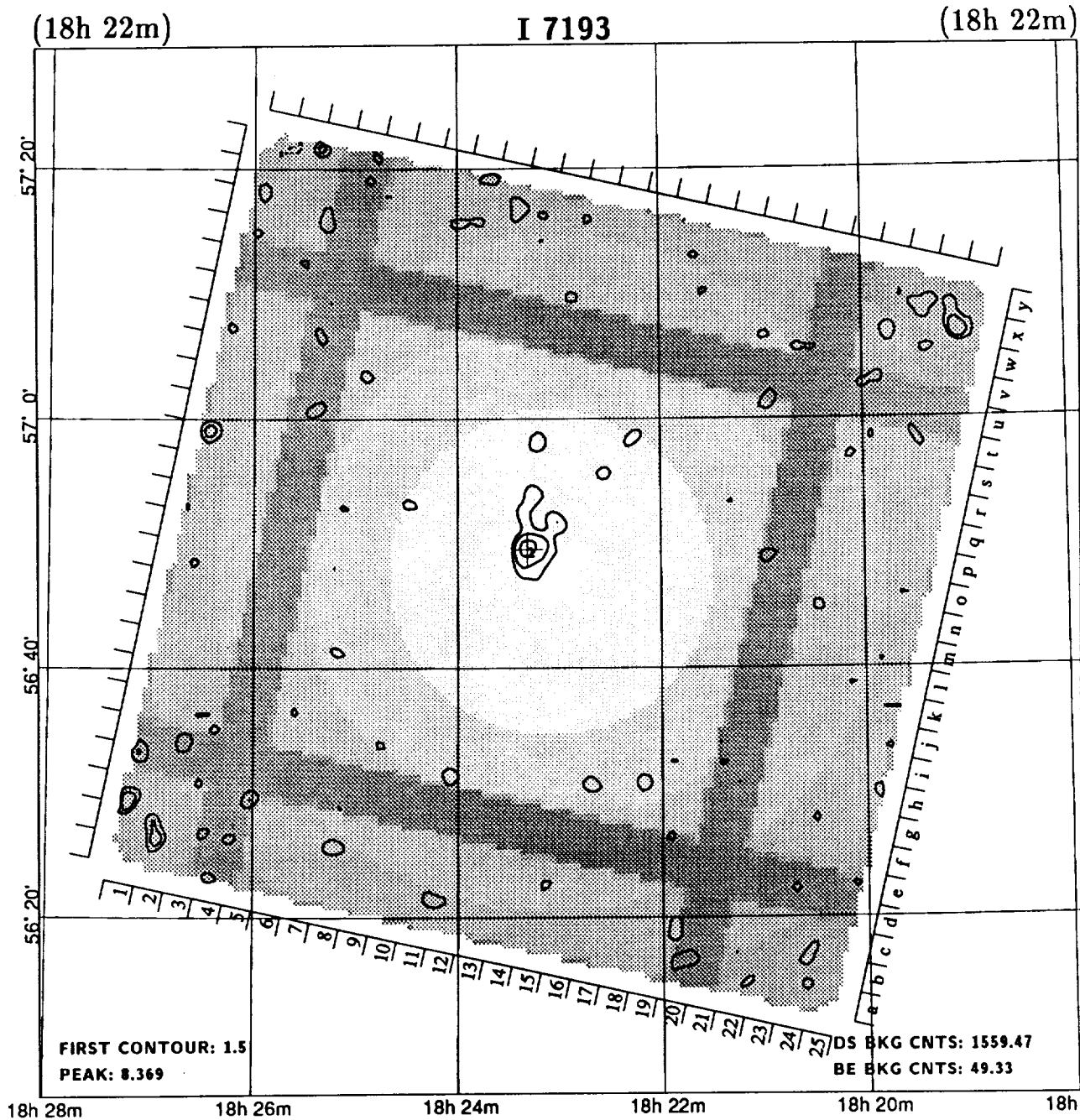
(18h 22m)



FIELD CENTER: $18^{\text{h}}22^{\text{m}}45.8^{\text{s}} -09^{\circ}35'59''$ (B1950)
 $18^{\text{h}}25^{\text{m}}30.8^{\text{s}} -09^{\circ}34'14''$ (J2000)
 $l: 21.47$ $b: 1.33$

DATE: 1979/265 - 1979/265
 LIVETIME: 4596.6s
 ROLL ANGLE: 90.6°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:



1823+56, HIGH FREQUENCY/FLAT SPECTRUM RADIO SOURCE

FIELD CENTER: $18^{\text{h}}22^{\text{m}}59.8^{\text{s}}$ $56^{\circ}47'53''$ (B1950)
 $18^{\text{h}}23^{\text{m}}52.0^{\text{s}}$ $56^{\circ}49'36''$ (J2000)
 $l: 85.71$ $b: 26.11$

DATE: 1980/ 98 - 1980/ 98
 LIVETIME: 1309.1s
 ROLL ANGLE: -77.5°

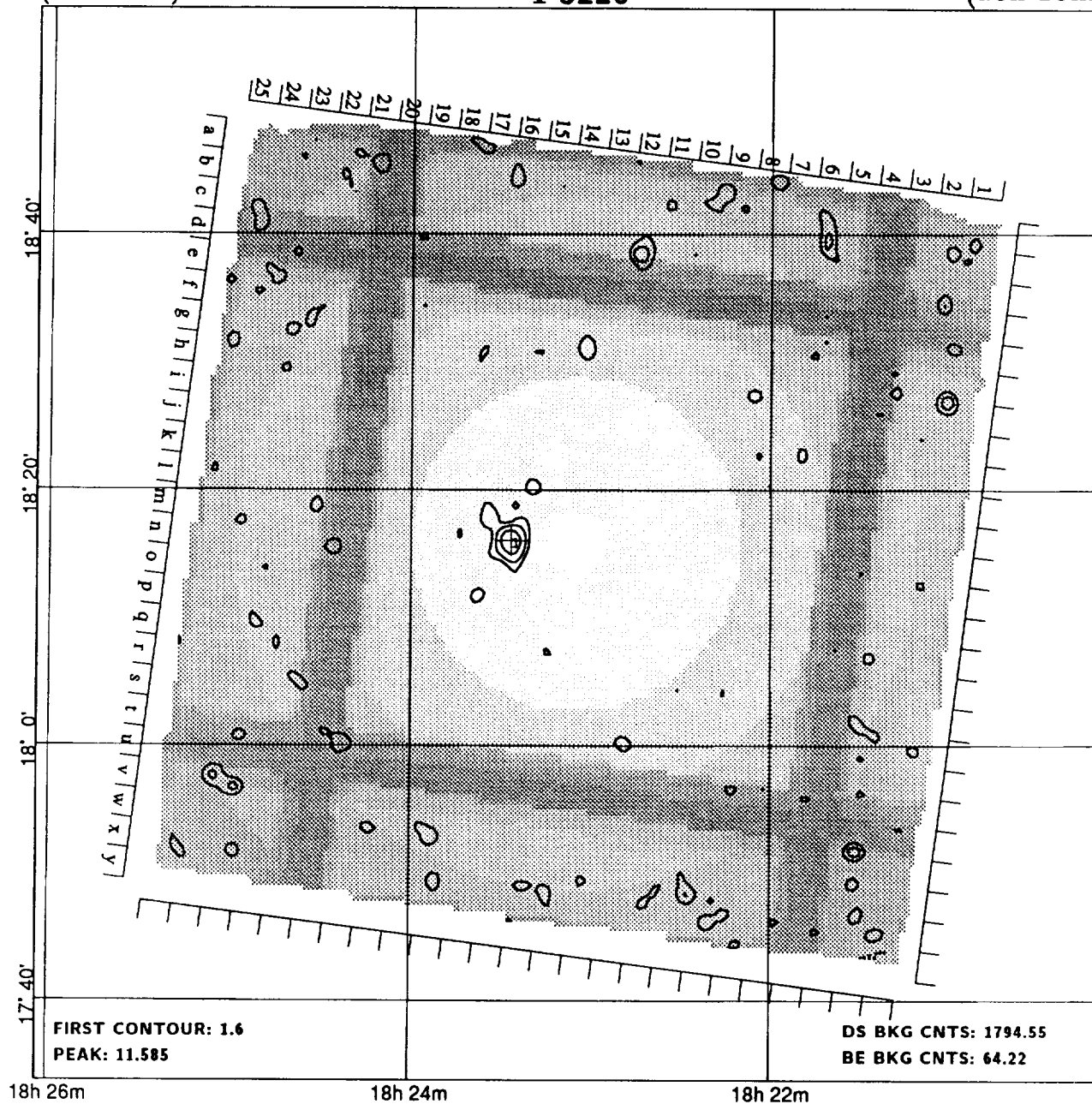
NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4071	1	18 23 19.0	56 49 32	35	0.0305	0.0060	29.3	3.7	5.1	1.5	0	3.3	H	

(18h 23m)

I 3226

(18h 23m)



RS CVN SYSTEMS: AW HER

FIELD CENTER: $18^{\text{h}}23^{\text{m}}07.3^{\text{s}}$ $18^{\circ}15'44''$ (B1950)
 $18^{\text{h}}25^{\text{m}}19.1^{\text{s}}$ $18^{\circ}17'30''$ (J2000)
 $l: 46.64$ $b: 13.84$

DATE: 1979/280 - 1979/280
 LIVETIME: 1454.2s
 ROLL ANGLE: 97.3°

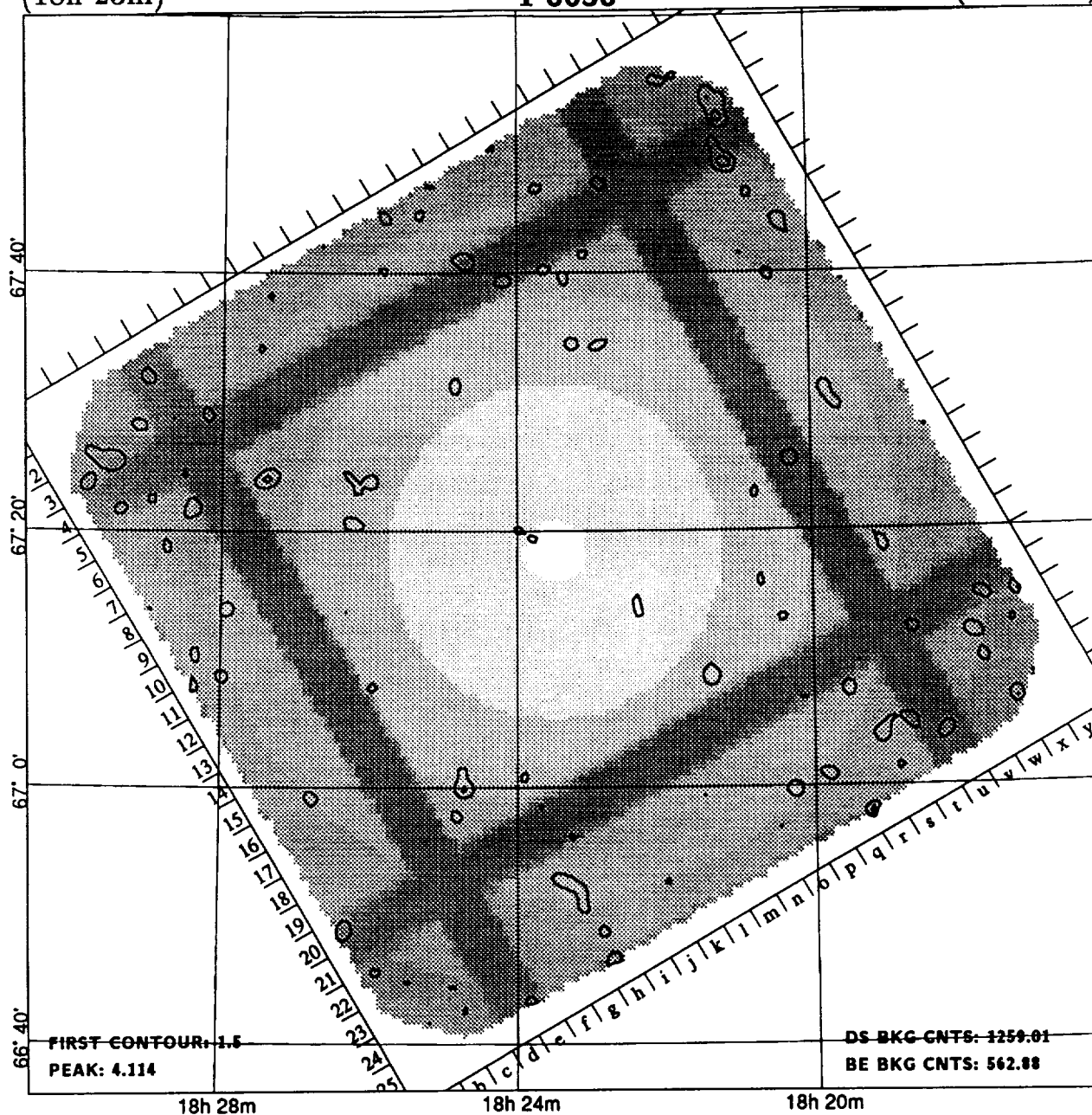
NH: $1.7\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4072	1	18 23 26.4	18 16 02	35	0.0356	0.0062	37.0	5.0	5.7	1.1	0	4.7	H	CV

(18h 23m)

I 8658

(18h 23m)



GSFC NEP SURVEY - FIELD # 164 -7 1

FIELD CENTER: $18^h 23^m 22.5^s$ $67^\circ 18' 27''$ (B1950)
 $18^h 23^m 17.2^s$ $67^\circ 20' 09''$ (J2000)
 $l: 97.38$ $b: 27.57$

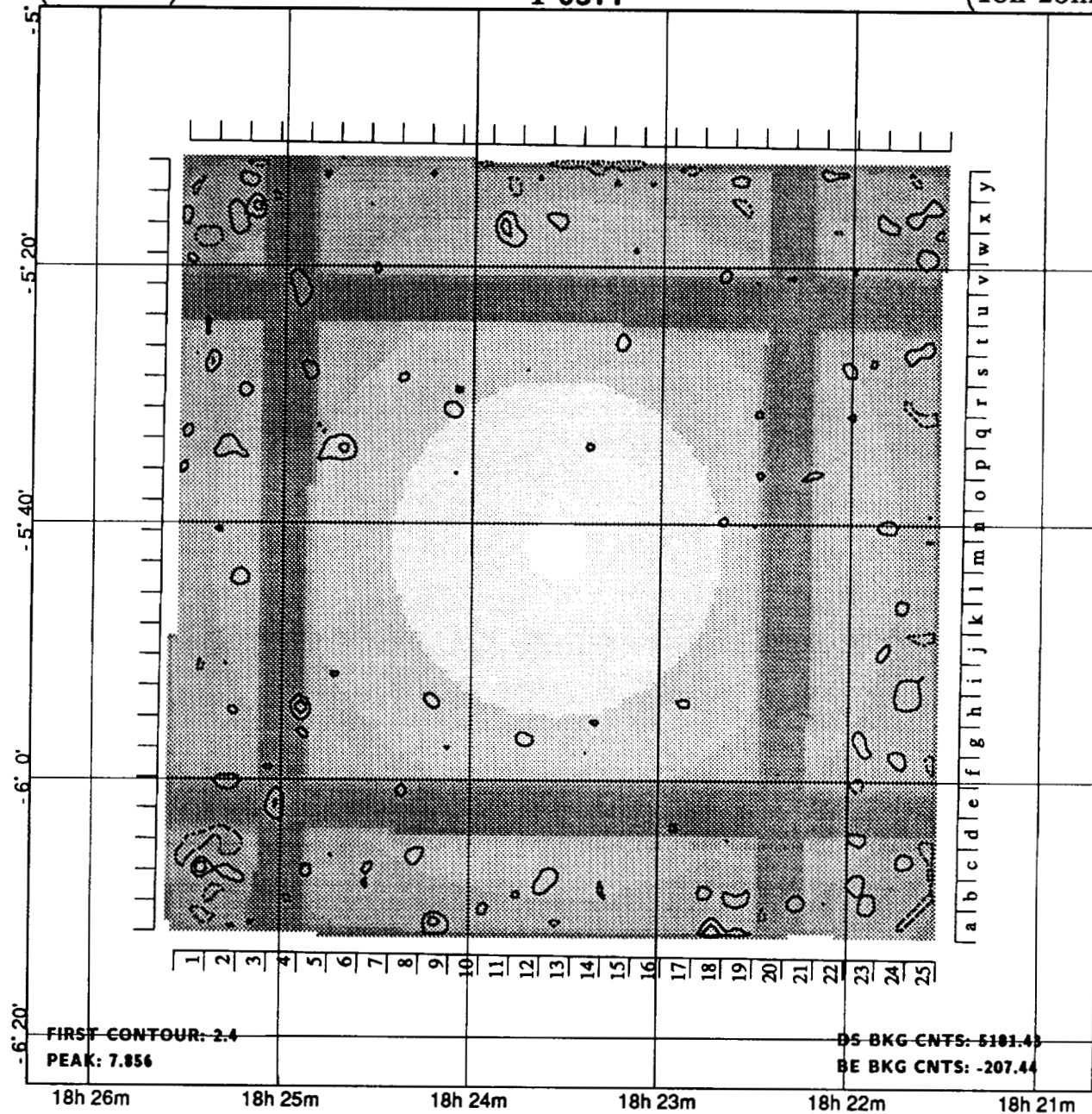
DATE: 1980/150 - 1980/150
 LIVETIME: 1020.2s
 ROLL ANGLE: -30.0°

NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS:

(18h 23m)

I 6577

(18h 23m)



1823-0541, GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 23^m 30.5^s$ $-05^\circ 41' 55''$ (B1950)
 $18^h 26^m 10.9^s$ $-05^\circ 40' 07''$ (J2000)
 $l: 25.00$ $b: 3.00$

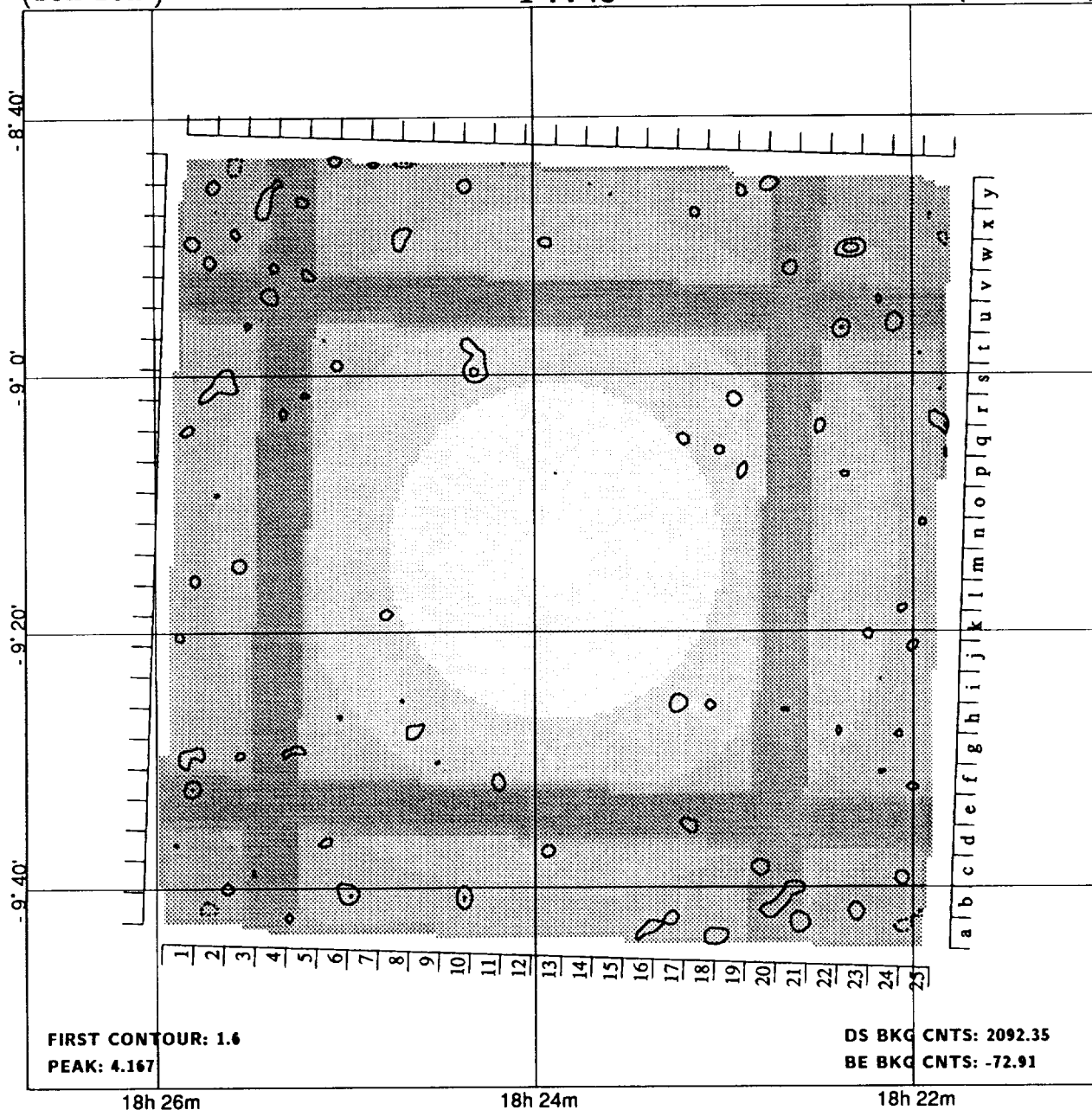
DATE: 1980/ 80 - 1980/ 80
 LIVETIME: 4349.4s
 ROLL ANGLE: -89.5°

NH: $5.6E+21$
 REF/ID:
 FIELD FLAGS:

(18h 23m)

I 7743

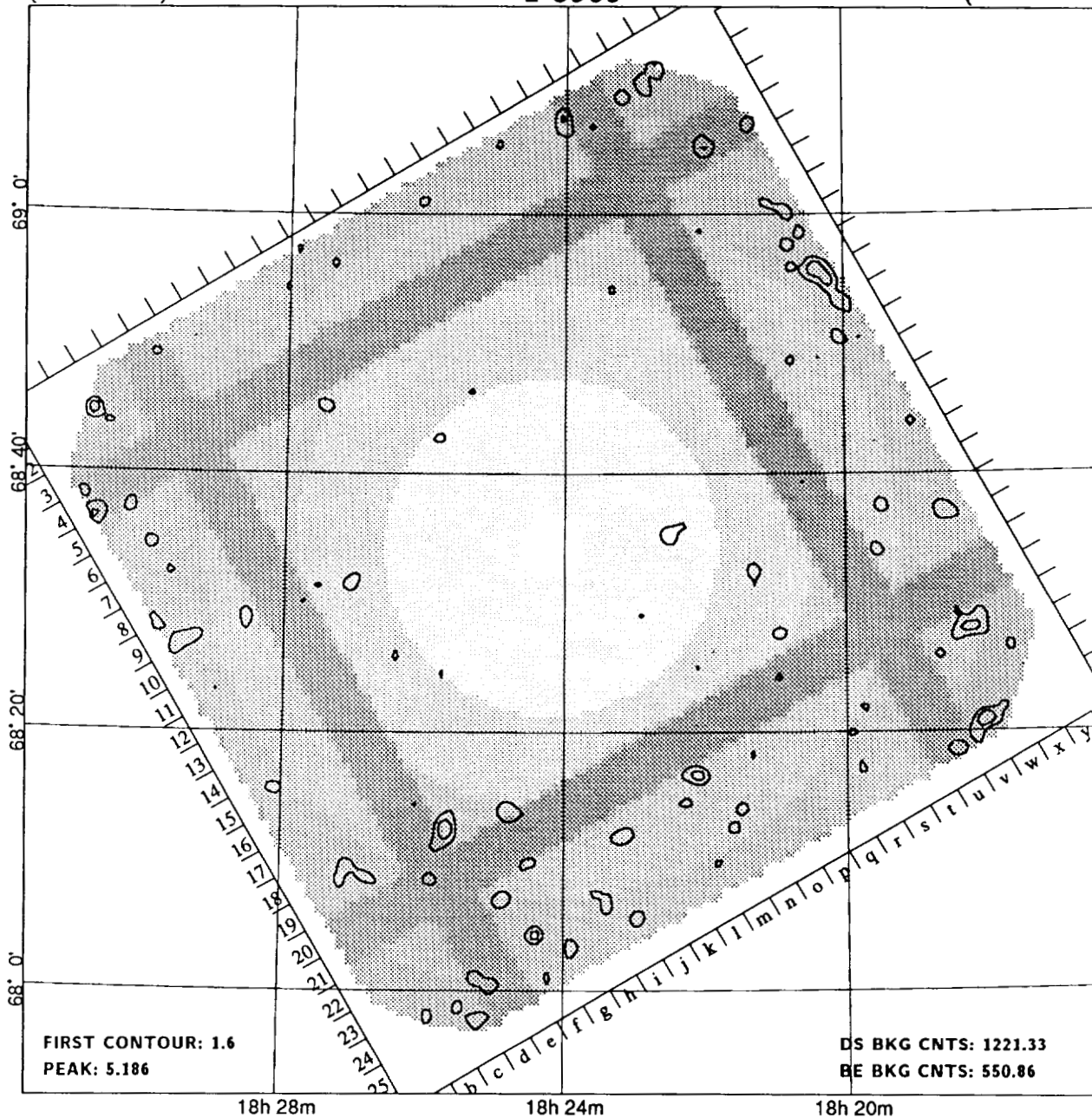
(18h 23m)



(18h 24m)

I 8909

(18h 24m)



GSFC NEP SURVEY - FIELD # 176 7 1

FIELD CENTER: $18^h 24^m 02.5^s$ $68^\circ 34' 04''$ (B1950)
 $18^h 23^m 46.9^s$ $68^\circ 35' 48''$ (J2000)
 $l: 98.80$ $b: 27.62$

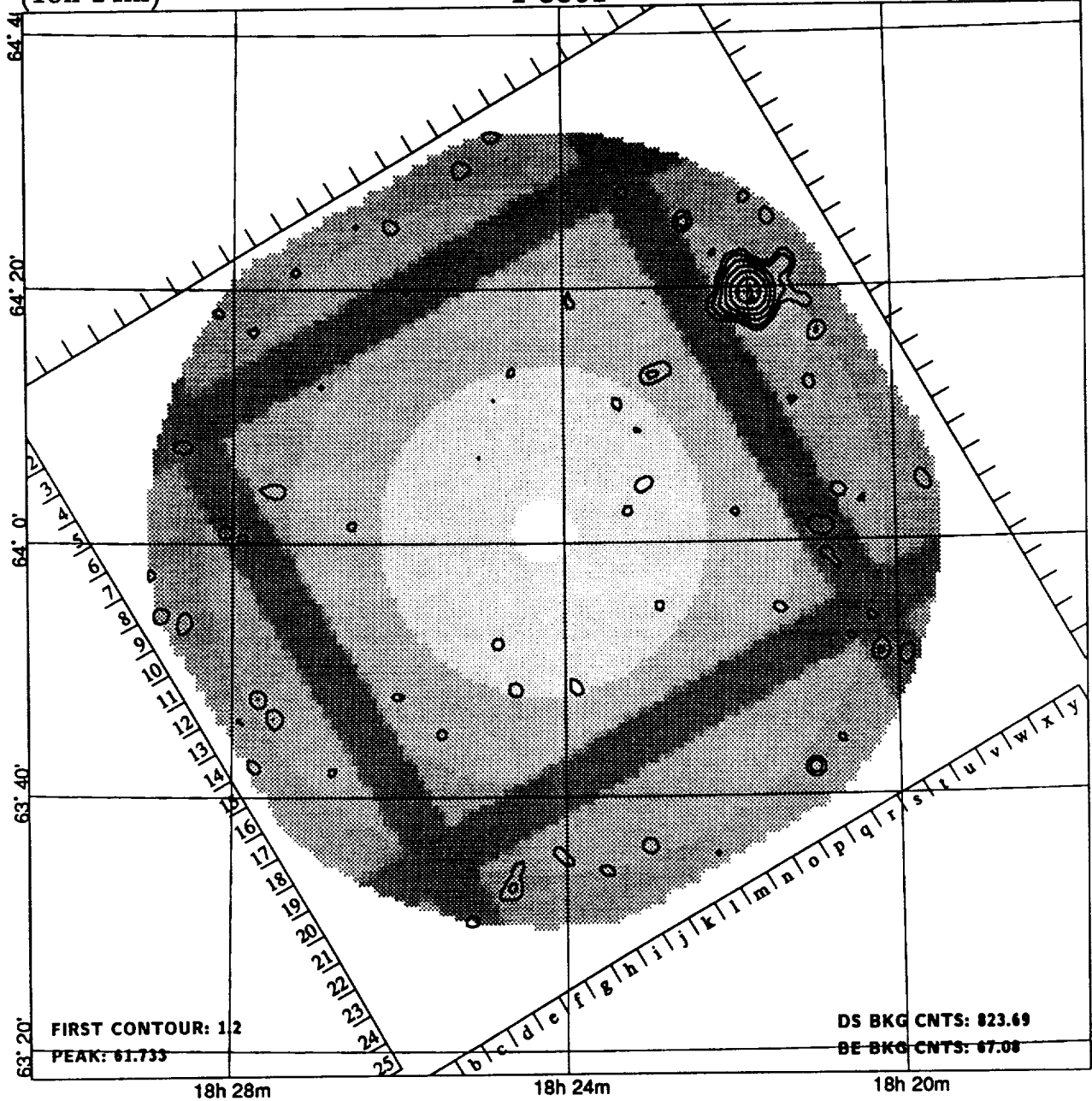
DATE: 1980/149 - 1980/149
 LIVETIME: 989.7s
 ROLL ANGLE: -30.2°

NH: $6.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 24m)

I 8861

(18h 24m)



GSFC NEP SURVEY - FIELD # 128 -2 6

FIELD CENTER: $18^h 24^m 04.9^s$ $64^\circ 00' 11''$ (B1950)
 $18^h 24^m 22.4^s$ $64^\circ 01' 57''$ (J2000)
 $l: 93.69$ $b: 27.12$

DATE: 1980/147 - 1980/147
 LIVETIME: 667.5s
 ROLL ANGLE: -30.2°

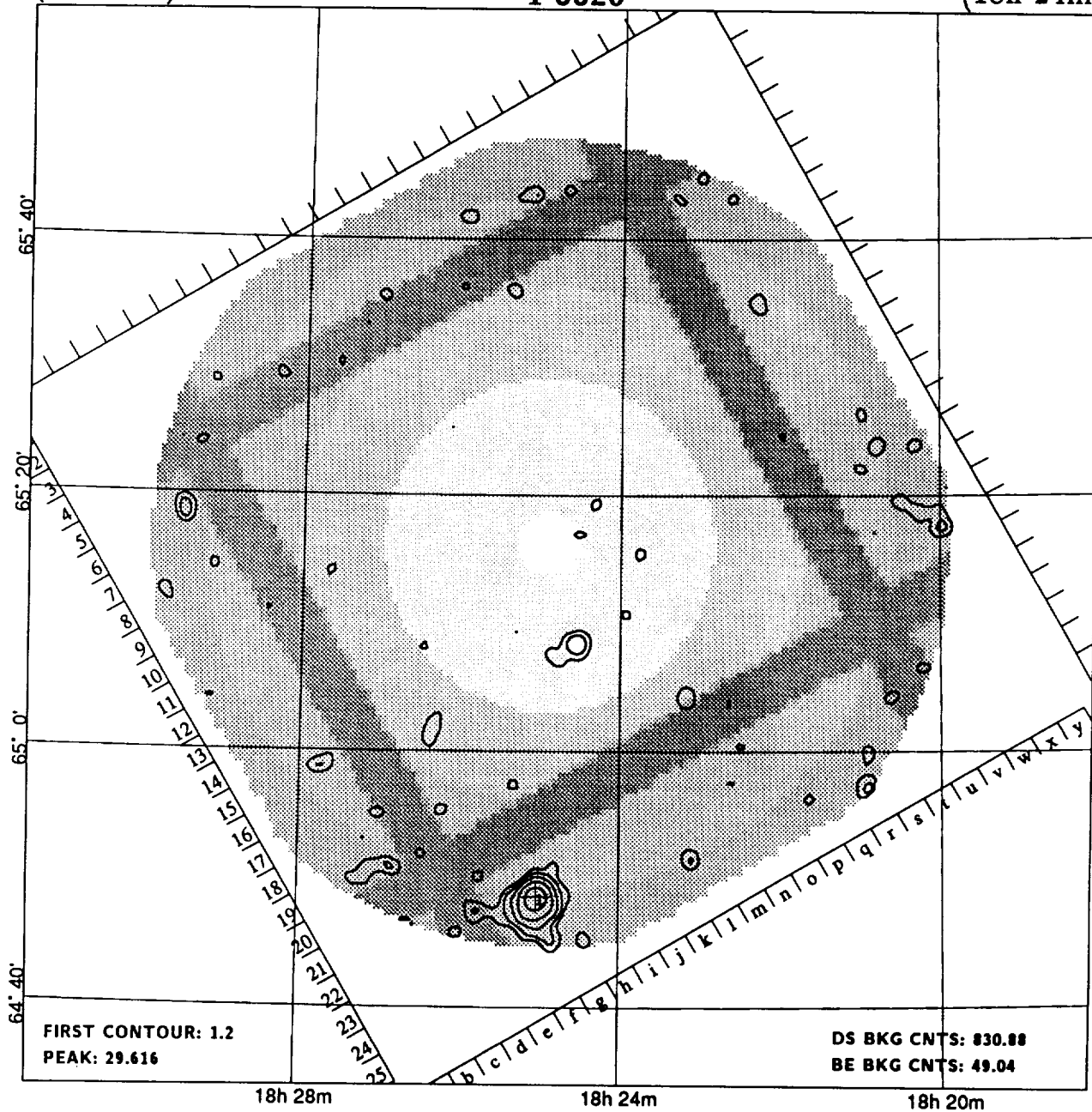
NH: $4.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4066	1	18 21 44.0	64 19 33	47	0.524	0.043	151.6	1.4	12.3	1.3	100	24.9	AH	AGN

(18h 24m)

I 8820

(18h 24m)



GSFC NEP SURVEY - FIELD # 87 0 5

FIELD CENTER: $18^{\text{h}}24^{\text{m}}46.0^{\text{s}}$ $65^{\circ}15'55''$ (B1950)
 $18^{\text{h}}24^{\text{m}}55.5^{\text{s}}$ $65^{\circ}17'44''$ (J2000)
 $l: 95.11$ $b: 27.21$

DATE: 1980/149 - 1980/149

NH: $5.1\text{E}+20$

LIVETIME: 673.3s

REF/ID:

ROLL ANGLE: -30.3°

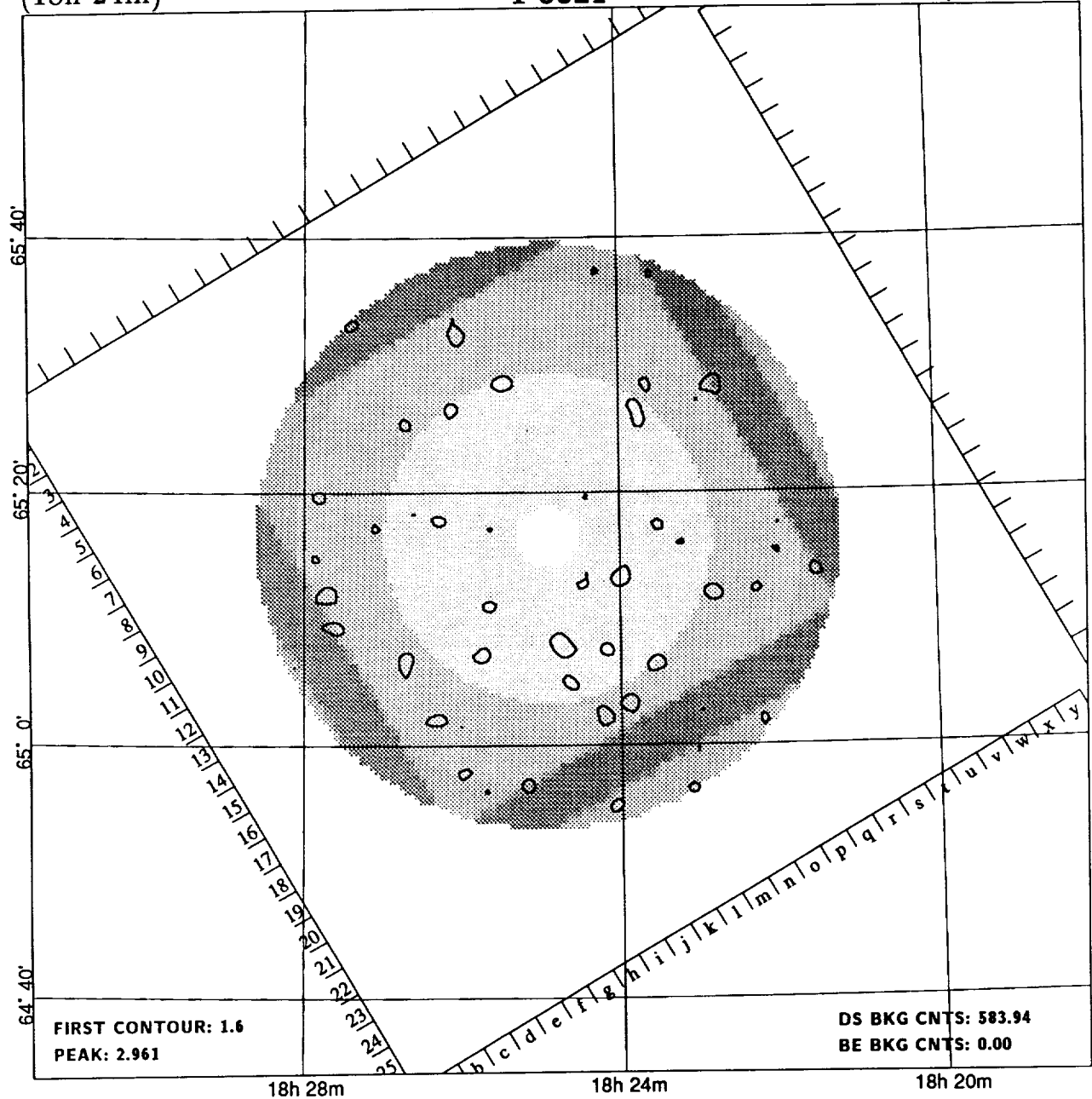
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4075	1	18 25 01.5	64 48 37	50	0.232	0.030	60.5	1.5	7.7	1.4	0	27.1	AH	

(18h 24m)

I 8821

(18h 24m)

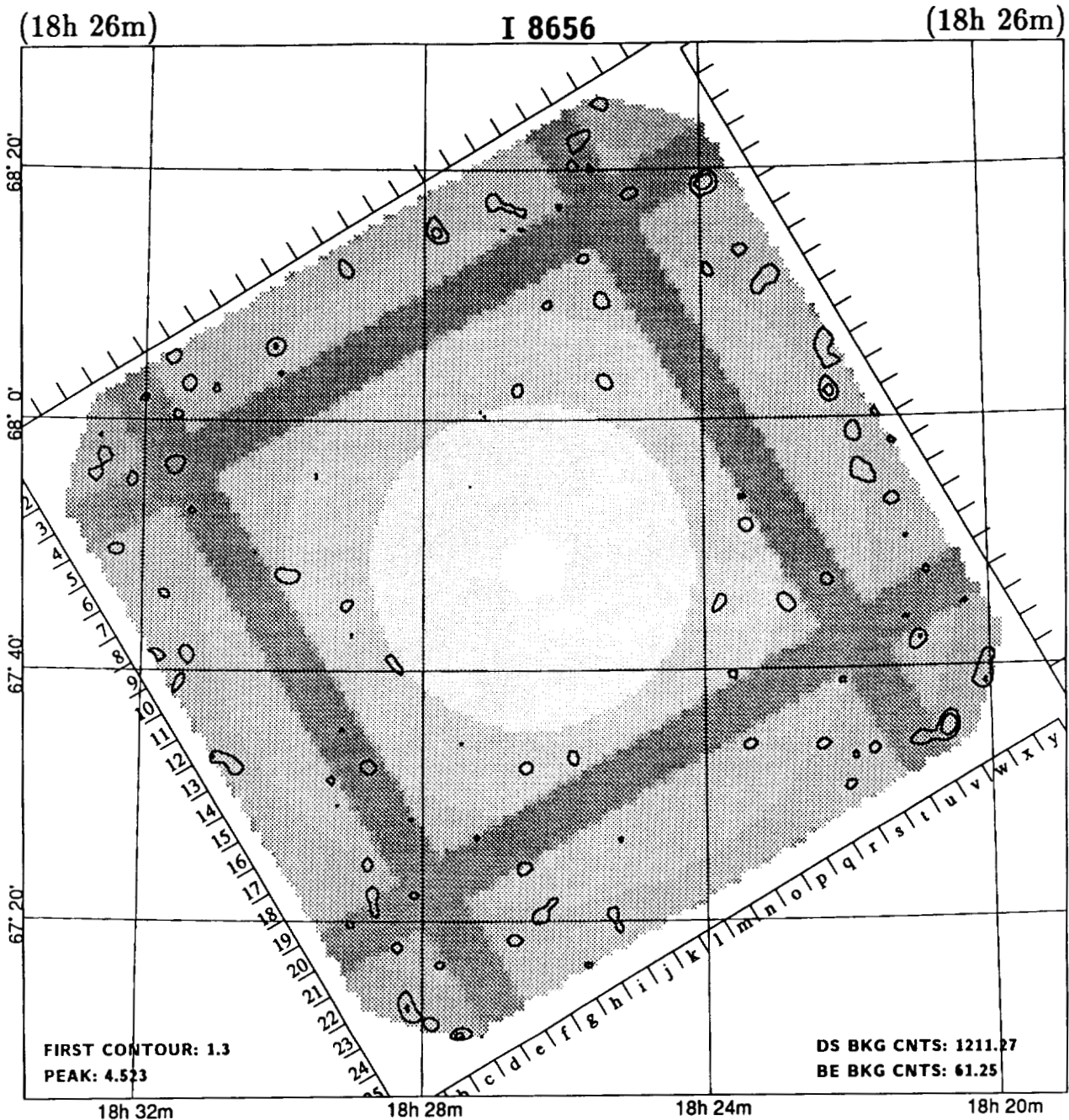


GSFC NEP SURVEY - FIELD # 88 -1 5

FIELD CENTER: $18^h 24^m 46.7^s$ $65^\circ 16' 09''$ (B1950)
 $18^h 24^m 56.2^s$ $65^\circ 17' 58''$ (J2000)
 $l: 95.11$ $b: 27.20$

DATE: 1980/150 - 1980/150
 LIVETIME: 473.2s
 ROLL ANGLE: -30.3°

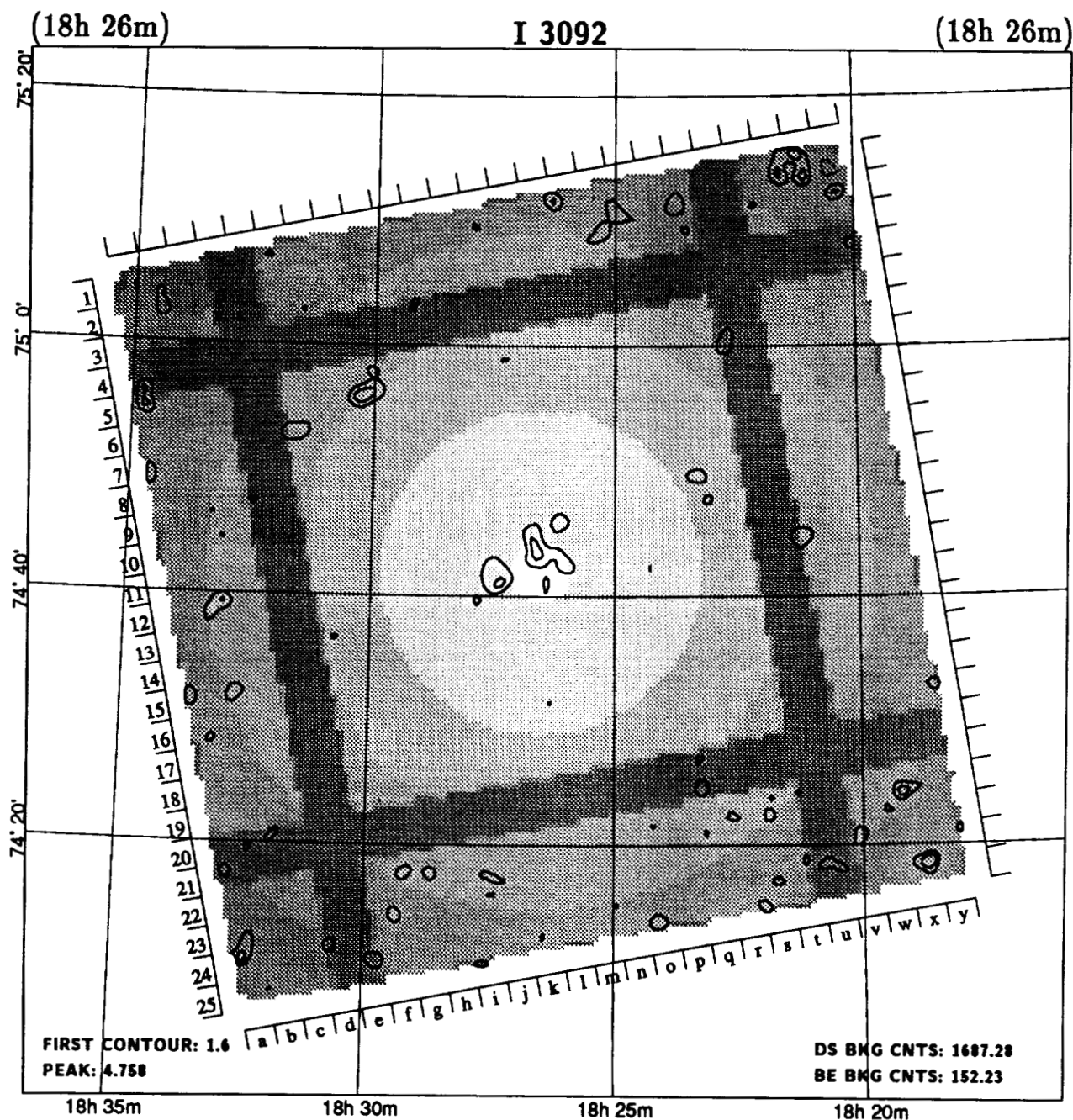
NH: $5.1E+20$
 REF/ID:
 FIELD FLAGS: LS



FIELD CENTER: $18^h 26^m 18.0^s$ $67^\circ 48' 03''$ (B1950)
 $18^h 26^m 09.0^s$ $67^\circ 49' 58''$ (J2000)
 $l: 97.96$ $b: 27.34$

DATE: 1980/149 - 1980/149
 LIVETIME: 981.5s
 ROLL ANGLE: -30.7°

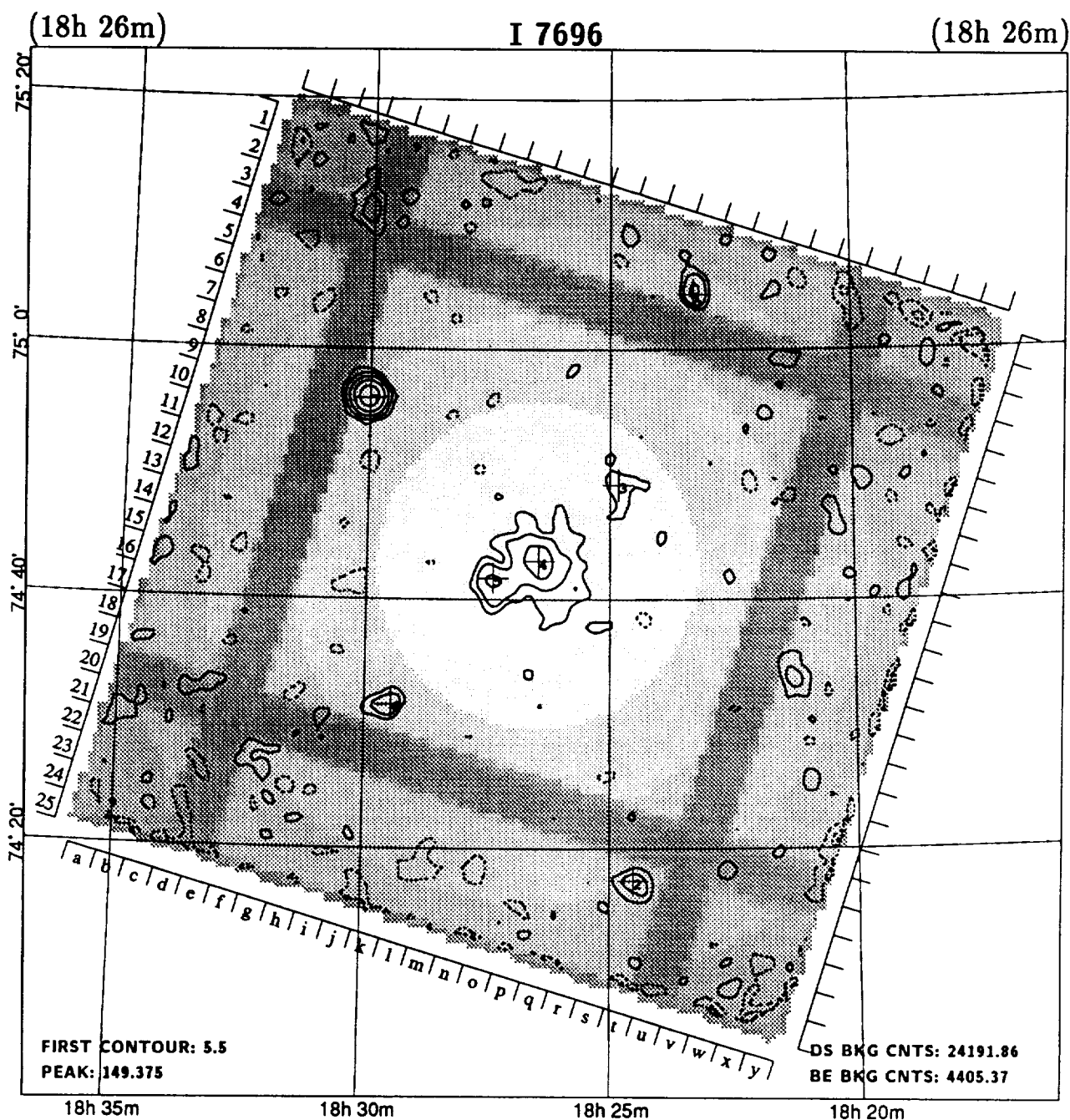
NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $18^h 26^m 21.8^s$ $74^\circ 41' 53''$ (B1950)
 $18^h 24^m 52.7^s$ $74^\circ 43' 45''$ (J2000)
 $l: 105.72$ $b: 27.84$

DATE: 1979/168 - 1979/168
 LIVETIME: 1367.3s
 ROLL ANGLE: -10.6°

NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS:



A 2306, GALAXIES IN CLUSTERS

FIELD CENTER: $18^h 26^m 21.8^s$ $74^\circ 41' 59''$ (B1950)
 $18^h 24^m 52.6^s$ $74^\circ 43' 51''$ (J2000)
 $l: 105.73$ $b: 27.84$

DATE: 1980/197 - 1980/197
 LIVETIME: 19603.5s
 ROLL ANGLE: 17.0°

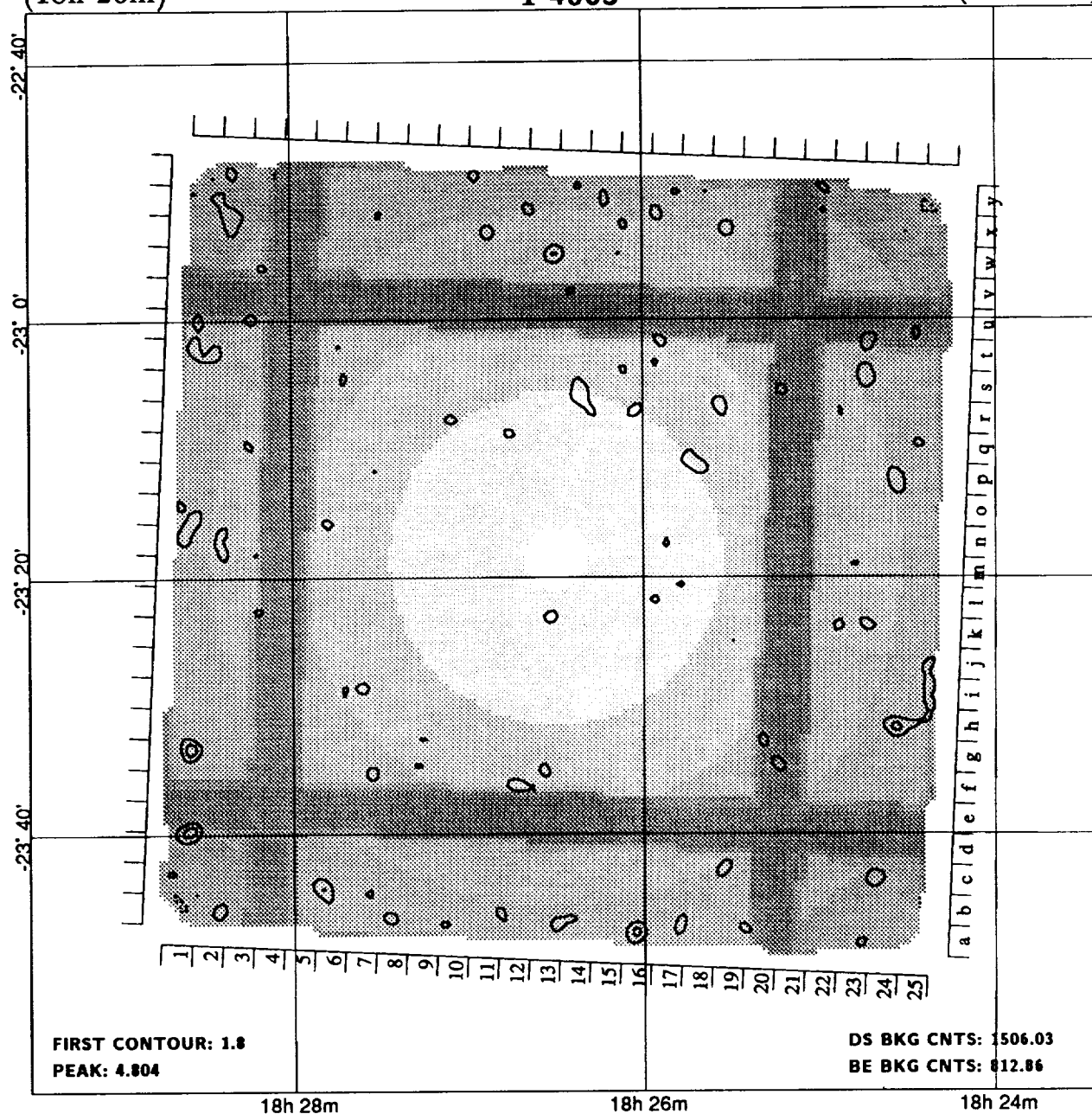
NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4070	1	18 23 16.5	75 04 21	51	*0.0065	0.0012	54.8	41.2	5.6	0.9	601	25.5	H
4073	2	18 24 31.2	74 17 23	61	0.0041	0.0011	32.6	42.4	3.8	0.9	400	26.1	H
4074	3	18 24 49.2	74 49 09	42	0.00293	0.00078	38.7	67.3	3.8	0.9	0	9.6	H
4076	4	18 26 27.7	74 43 04	31	0.0109	0.0010	158.7	67.3	10.6	3.5	0	1.3	H
4079	5	18 27 24.2	74 41 41	32	0.00734	0.00097	104.3	85.7	7.6	5.1	0	4.2	H
4086	6	18 29 27.5	74 31 30	50	0.00480	0.00095	53.7	58.3	5.1	0.9	0	15.9	H
4088	7	18 30 00.2	74 56 03	47	*0.0370	0.0020	379.1	43.9	18.4	1.0	601	20.2	H

(18h 26m)

I 4063

(18h 26m)



EMPTY FIELD, GYRO TEST

FIELD CENTER: $18^h 26^m 26.3^s$ $-23^\circ 17' 59''$ (B1950)
 $18^h 29^m 28.6^s$ $-23^\circ 15' 57''$ (J2000)
 $l: 9.75$ $b: -5.85$

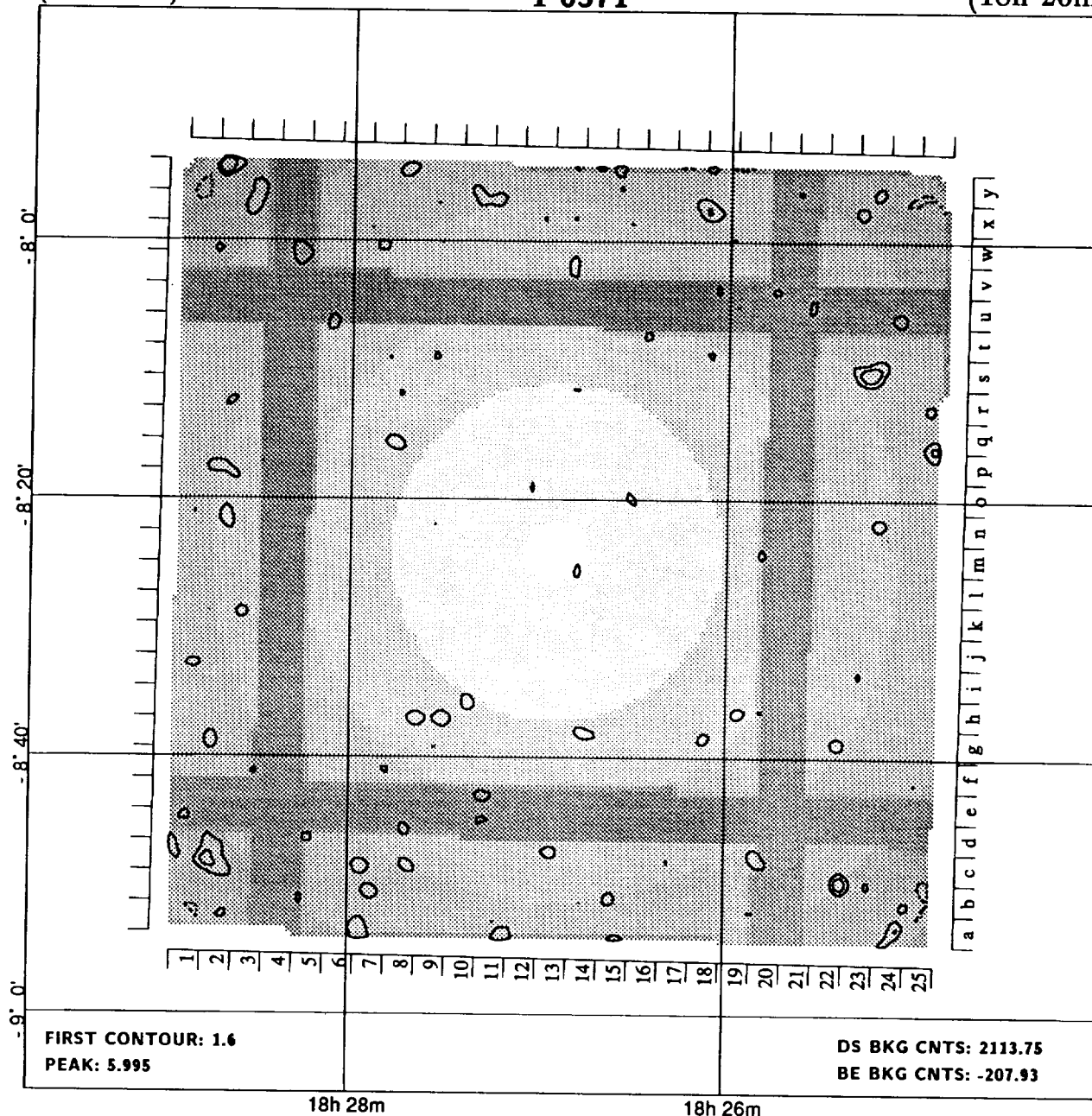
DATE: 1979/101 - 1979/101
 LIVETIME: 1220.4s
 ROLL ANGLE: -87.4°

NH: $1.6E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 26m)

I 6571

(18h 26m)



1826-0824, GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 26^m 51.6^s -08^\circ 24' 06''$ (B1950)
 $18^h 29^m 35.2^s -08^\circ 22' 03''$ (J2000)
 ℓ : 23.00 b : 1.00

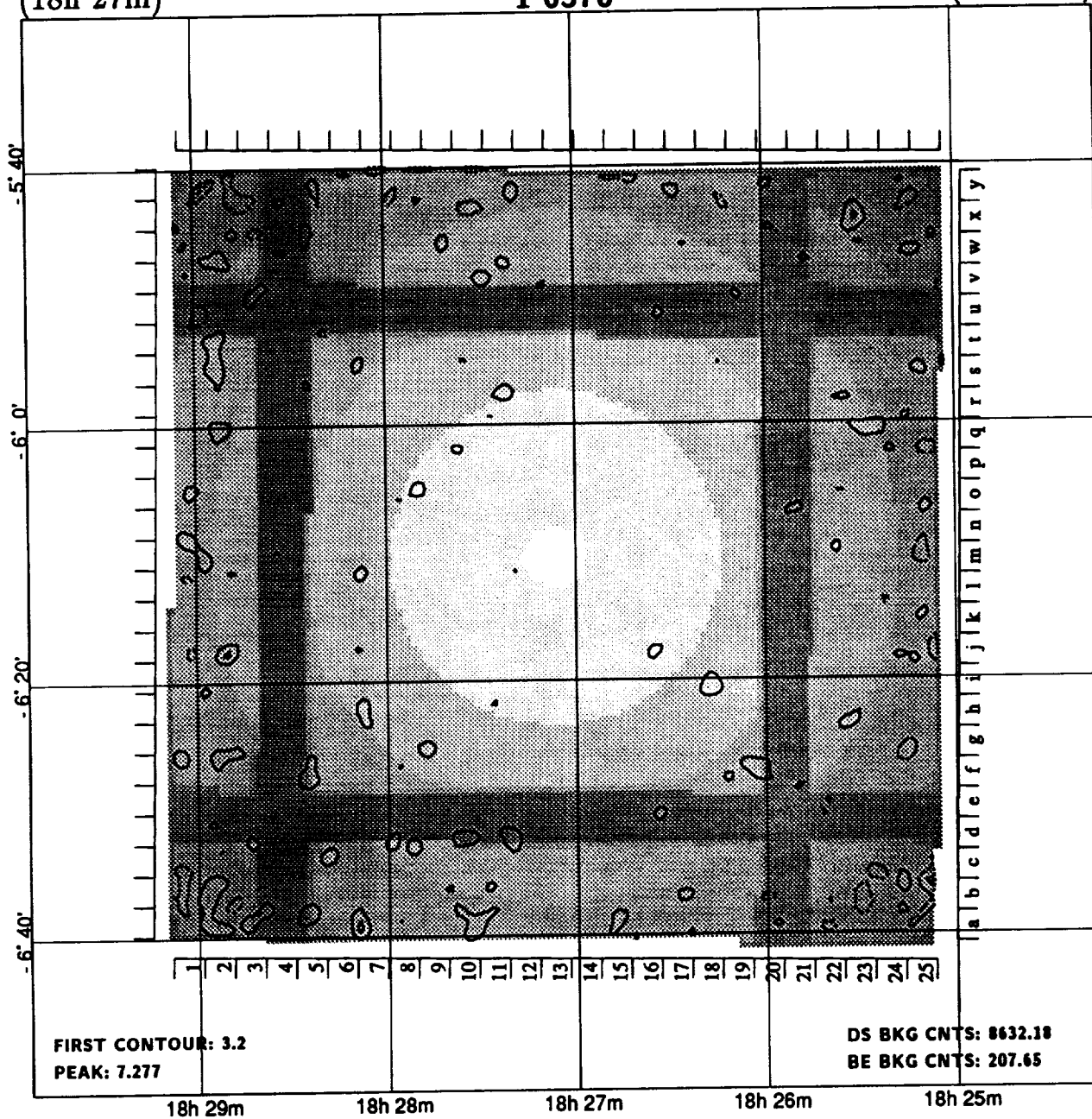
DATE: 1980/ 80 - 1980/ 80
 LIVETIME: 1774.3s
 ROLL ANGLE: -89.1°

NH: $1.0E+22$
 REF/ID:
 FIELD FLAGS:

(18h 27m)

I 6578

(18h 27m)



FIELD CENTER: $18^h 27^m 03.8^s$ $-06^\circ 10' 00''$ (B1950)
 $18^h 29^m 44.7^s$ $-06^\circ 07' 56''$ (J2000)
 $l: 25.00$ $b: 2.00$

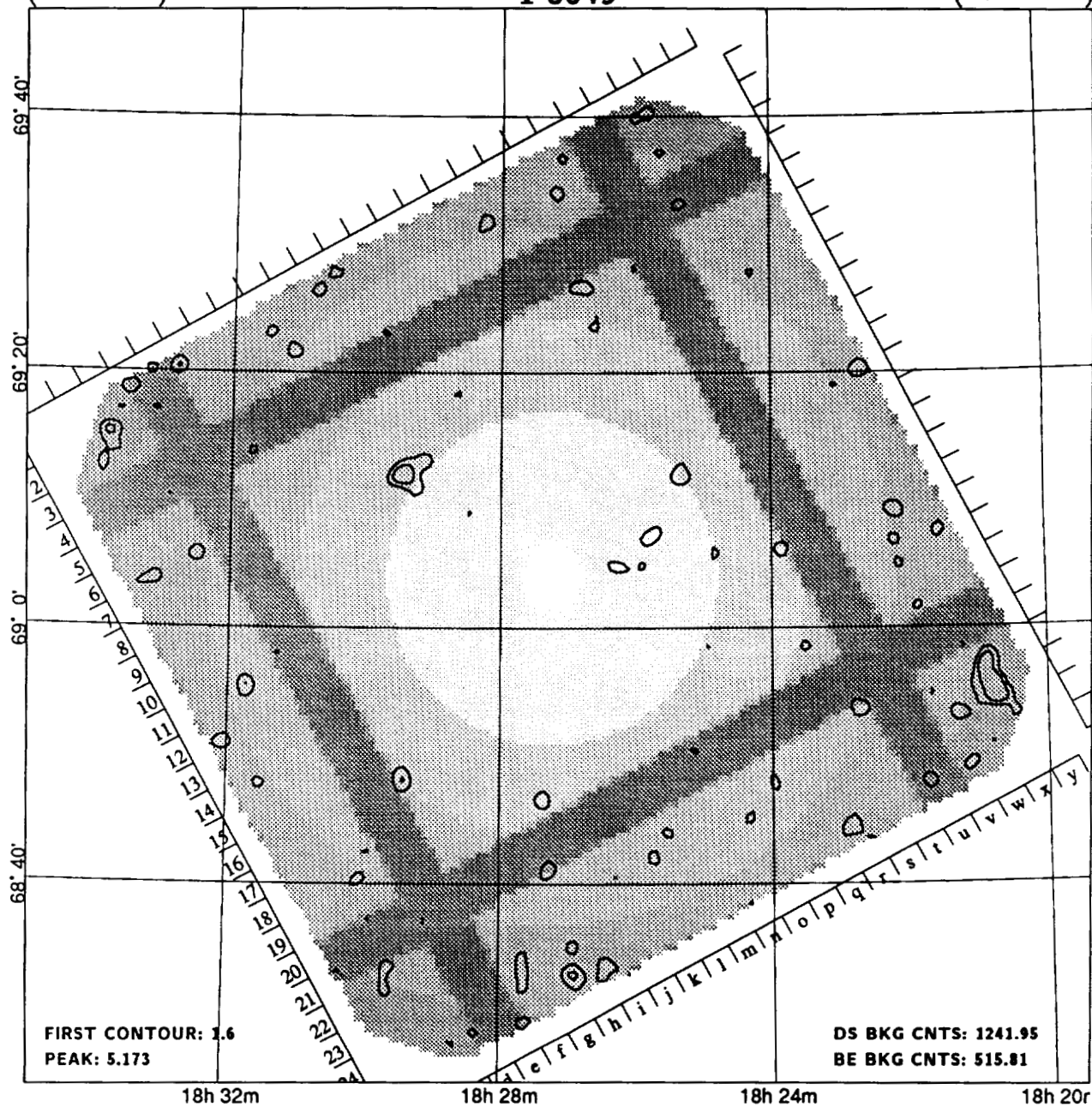
DATE: 1980/ 80 - 1980/ 80
 LIVETIME: 7246.1s
 ROLL ANGLE: -89.2°

NH: $7.9E+21$
 REF/ID:
 FIELD FLAGS:

(18h 27m)

I 8649

(18h 27m)



GSFC NEP SURVEY - FIELD # 155 6 2

FIELD CENTER: $18^{\text{h}}27^{\text{m}}09.0^{\text{s}}$ $69^{\circ}06'29''$ (B1950)
 $18^{\text{h}}26^{\text{m}}48.9^{\text{s}}$ $69^{\circ}08'27''$ (J2000)
 $l: 99.43$ $b: 27.39$

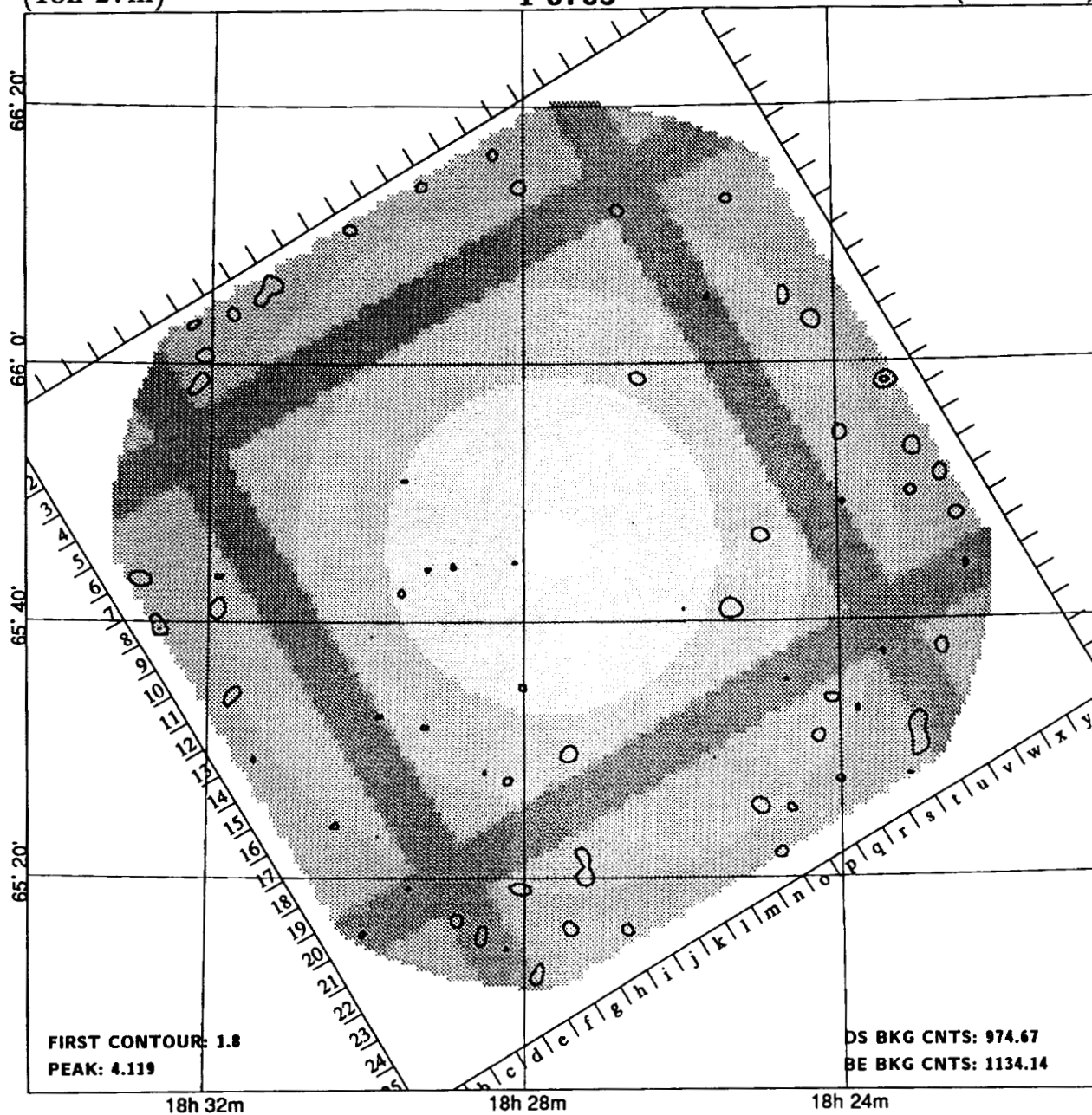
DATE: 1980/150 - 1980/150
 LIVETIME: 1006.4s
 ROLL ANGLE: -28.6°

NH: $6.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 27m)

I 8785

(18h 27m)

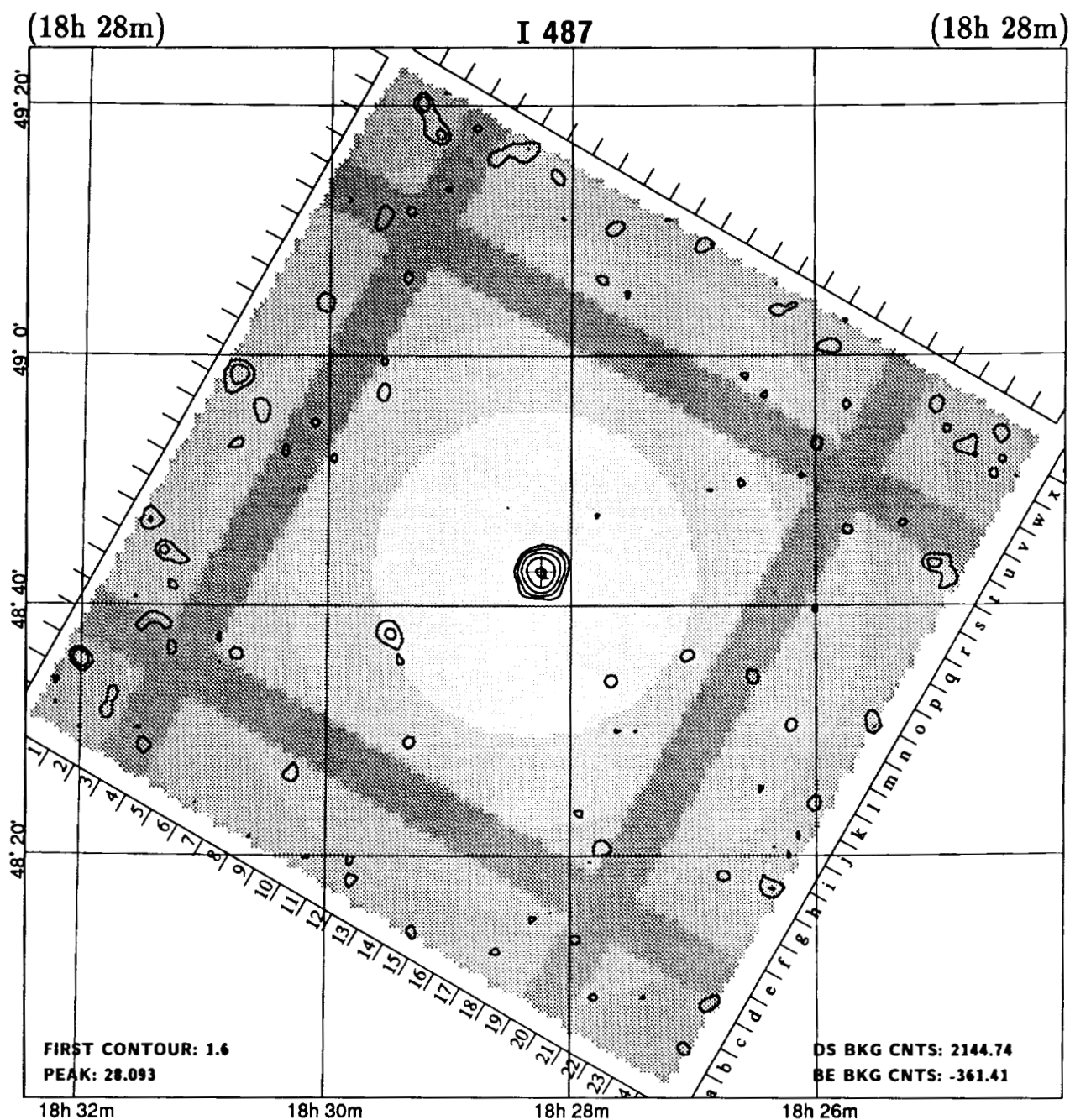


GSFC NEP SURVEY - FIELD # 52 2 4

FIELD CENTER: $18^h 27^m 30.2^s$ $65^\circ 45' 36''$ (B1950)
 $18^h 27^m 36.6^s$ $65^\circ 47' 36''$ (J2000)
 $l: 95.70$ $b: 26.99$

DATE: 1980/149 - 1980/149
LIVETIME: 789.8s
ROLL ANGLE: -30.9°

NH: $5.4E+20$
REF/ID:
FIELD FLAGS: L



3CR 380 (QSO 1828+487) QUASAR SURVEY

FIELD CENTER: $18^h 28^m 13.1^s$ $48^\circ 42' 38''$ (B1950)
 $18^h 29^m 31.4^s$ $48^\circ 44' 44''$ (J2000)
 $l: 77.22$ $b: 23.51$

DATE: 1979/117 - 1979/117

LIVETIME: 1737.9s

ROLL ANGLE: -60.2°

NH: $5.7E+20$

REF/ID:

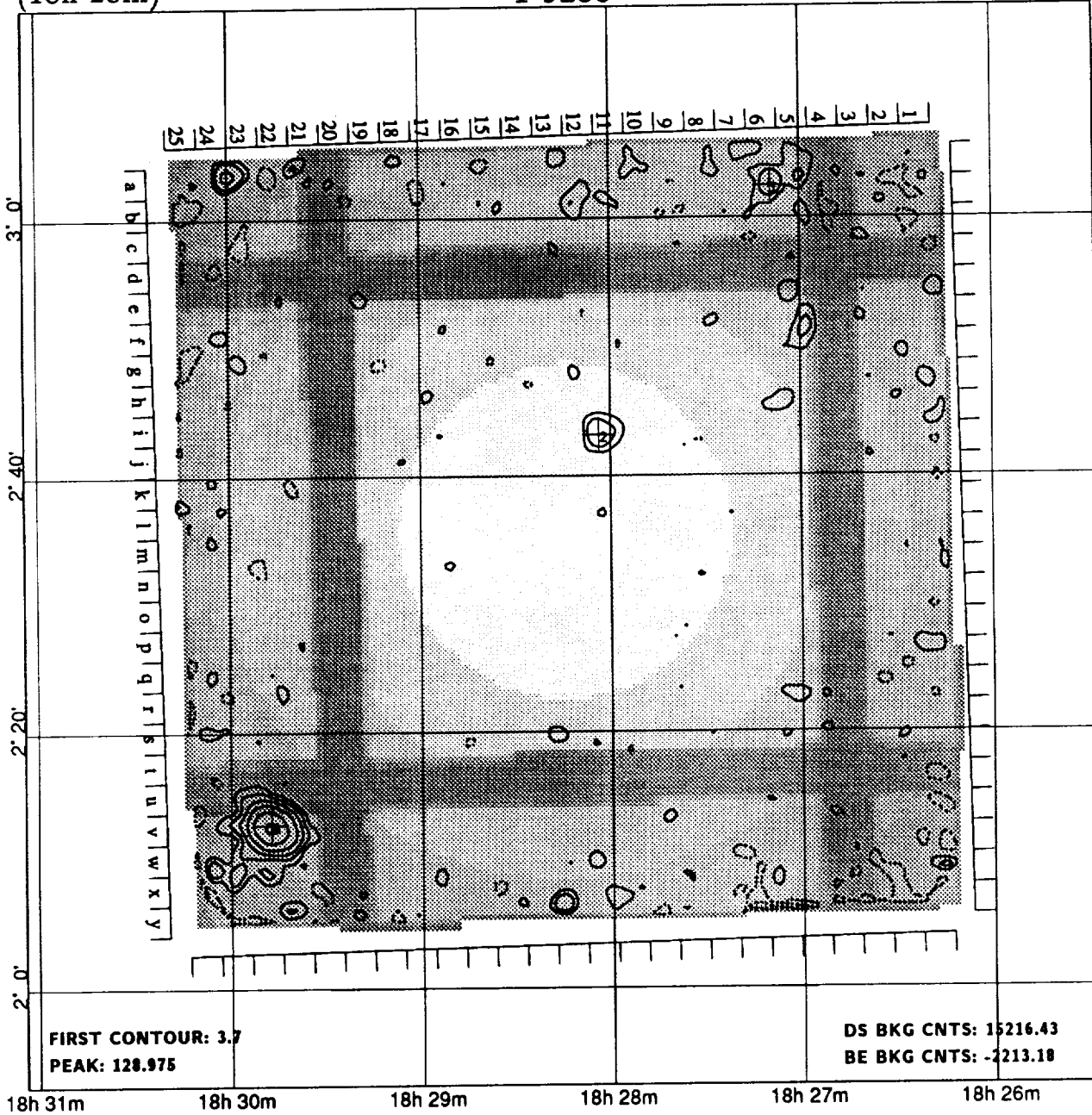
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4082	1	18 28 14.8	48 42 43	31	0.0926	0.0086	120.0	4.0	10.8	1.1	0	0.2	H	Q

(18h 28m)

I 9253

(18h 28m)



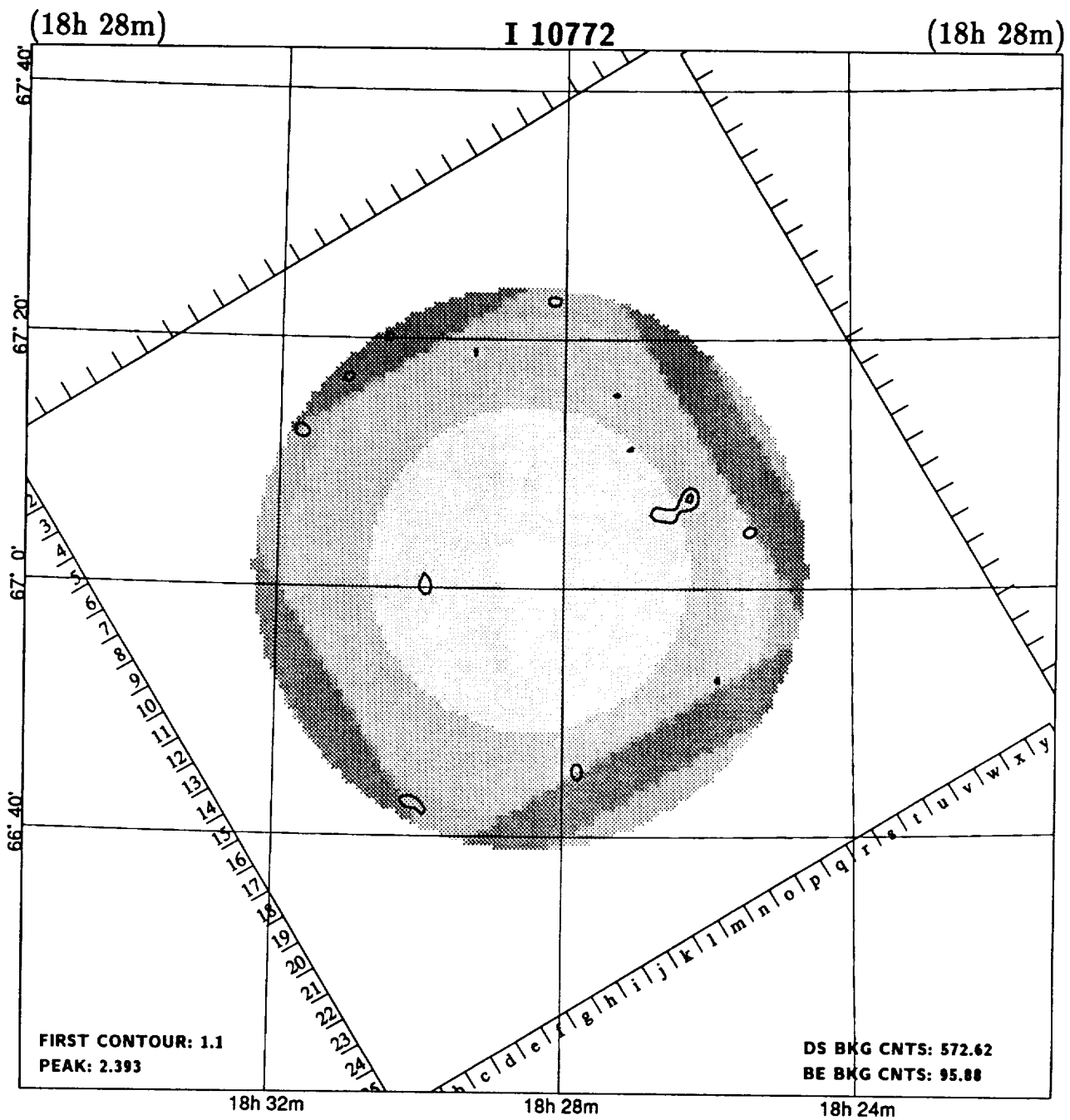
CLASSICAL NOVAE-FLUX CORRELATIONS: FH SER

FIELD CENTER: $18^h 28^m 16.0^s$ $02^\circ 34' 29''$ (B1950)
 $18^h 30^m 46.7^s$ $02^\circ 36' 38''$ (J2000)
 ℓ : 32.91 b : 5.79

DATE: 1980/264 - 1980/265
 LIVETIME: 12330.3s
 ROLL ANGLE: 88.6°

NH: $3.8E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4078	1	18 27 09.2	03 02 26	56	0.0061	0.0016	24.7	15.3	3.9	1.4	0	32.7	H
4081	2	18 28 03.6	02 43 09	41	0.0067	0.0011	56.7	30.3	6.1	1.0	0	9.1	
4087	3	18 29 47.5	02 12 49	47	*0.0613	0.0041	232.0	13.0	14.8	1.5	703	31.5	H



GSFC NEP SURVEY - NEW FIELD

FIELD CENTER: $18^h 28^m 20.2^s$ $67^\circ 01' 18''$ (B1950)
 $18^h 28^m 17.5^s$ $67^\circ 03' 21''$ (J2000)
 $l: 97.11$ $b: 27.06$

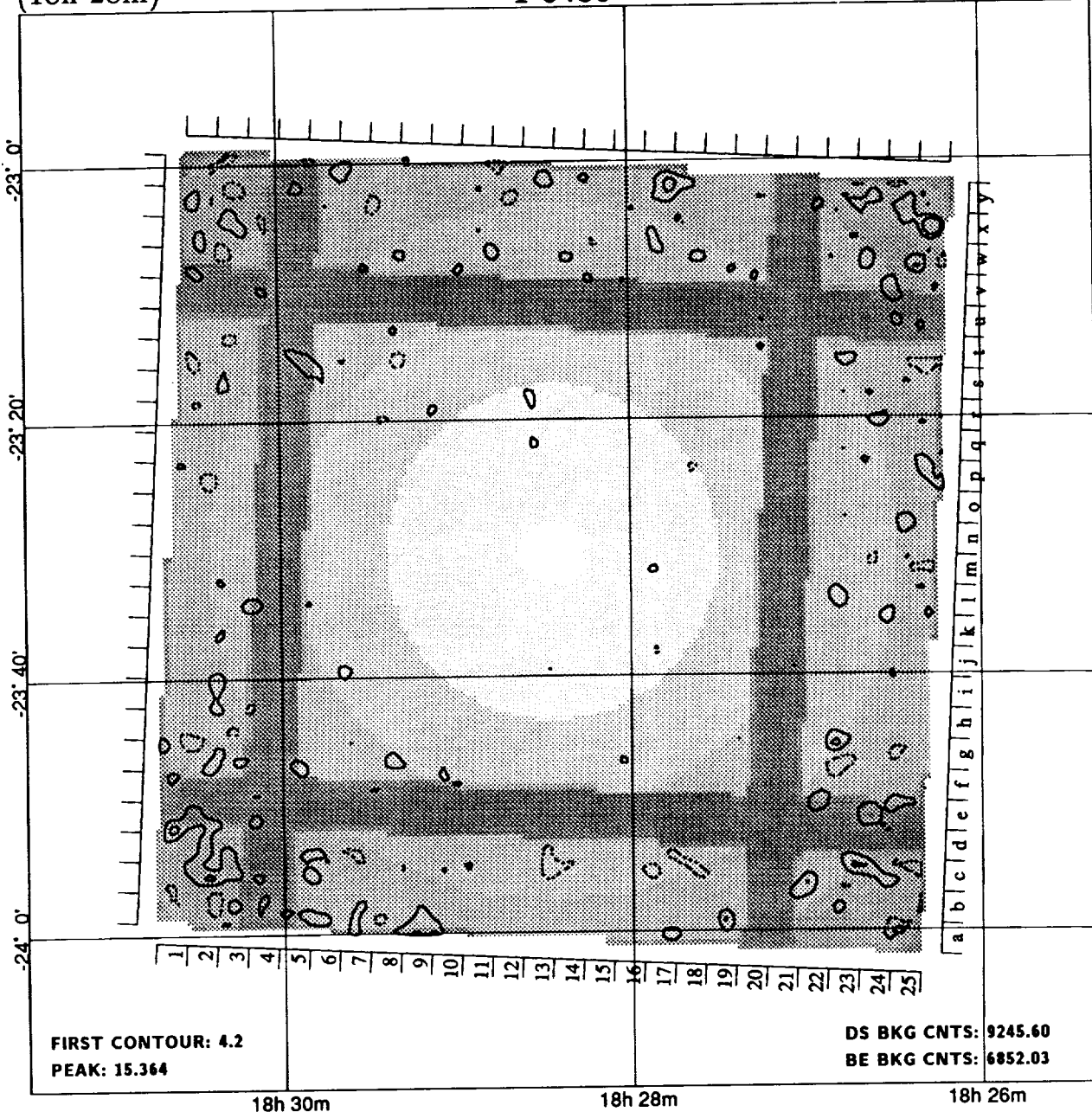
DATE: 1980/149 - 1980/149
 LIVETIME: 464.0s
 ROLL ANGLE: -31.2°

NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS:

(18h 28m)

I 6486

(18h 28m)



NGC 6642, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^h 28^m 23.7^s$ $-23^\circ 29' 59''$ (B1950)
 $18^h 31^m 26.3^s$ $-23^\circ 27' 49''$ (J2000)
 $l: 9.78$ $b: -6.34$

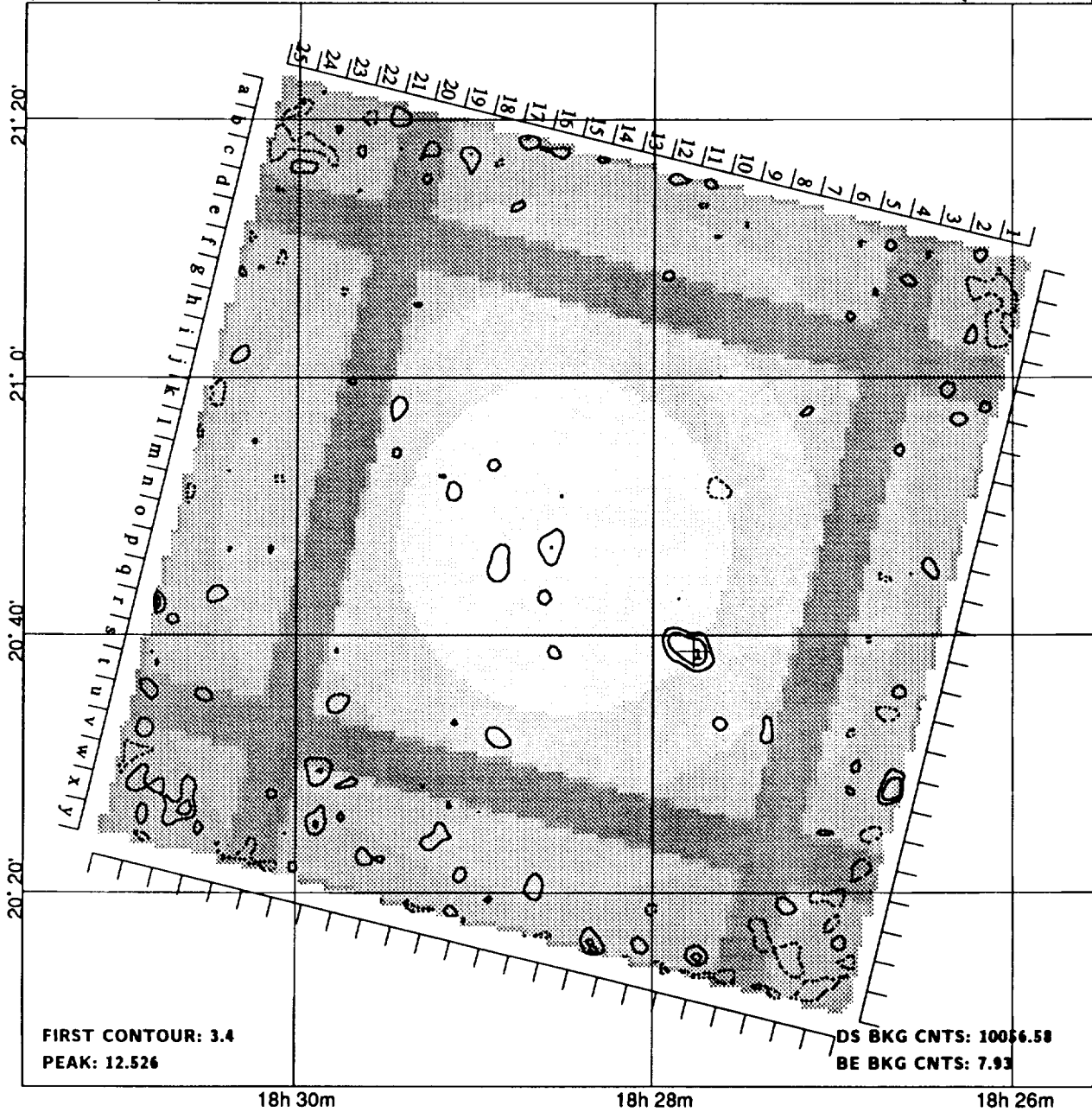
DATE: 1981/ 82 - 1981/ 83
LIVETIME: 7492.0s
ROLL ANGLE: -87.3°

NH: $1.9E+21$
REF/ID:
FIELD FLAGS: L

(18h 28m)

I 5194

(18h 28m)



STAR HR 6950, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $18^{\text{h}}28^{\text{m}}31.8^{\text{s}}$ $20^{\circ}46'59''$ (B1950)
 $18^{\text{h}}30^{\text{m}}40.4^{\text{s}}$ $20^{\circ}49'09''$ (J2000)
 $l: 49.55$ $b: 13.73$

DATE: 1979/290 - 1979/290
 LIVETIME: 8149.1s
 ROLL ANGLE: 103.7°

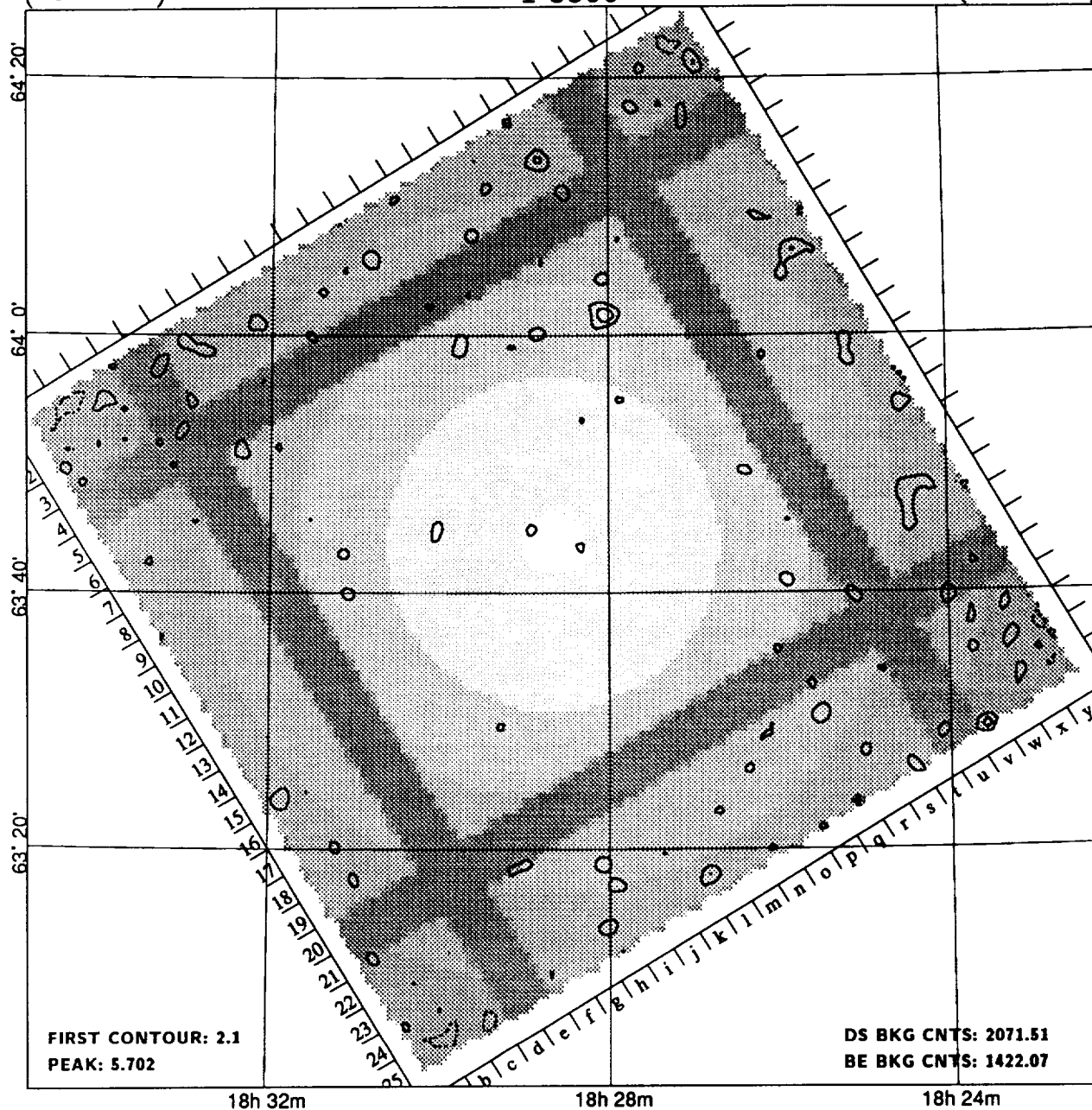
NH: $1.5\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4080	1	18 27 46.3	20 38 46	42	0.0085	0.0016	43.2	20.8	5.4	1.0	0	12.9	H

(18h 28m)

I 8866

(18h 28m)



GSFC NEP SURVEY - FIELD # 133 -6 2

FIELD CENTER: $18^{\text{h}}28^{\text{m}}32.1^{\text{s}}$ $63^{\circ}43'36''$ (B1950)
 $18^{\text{h}}28^{\text{m}}51.5^{\text{s}}$ $63^{\circ}45'42''$ (J2000)
 ℓ : 93.46 b : 26.60

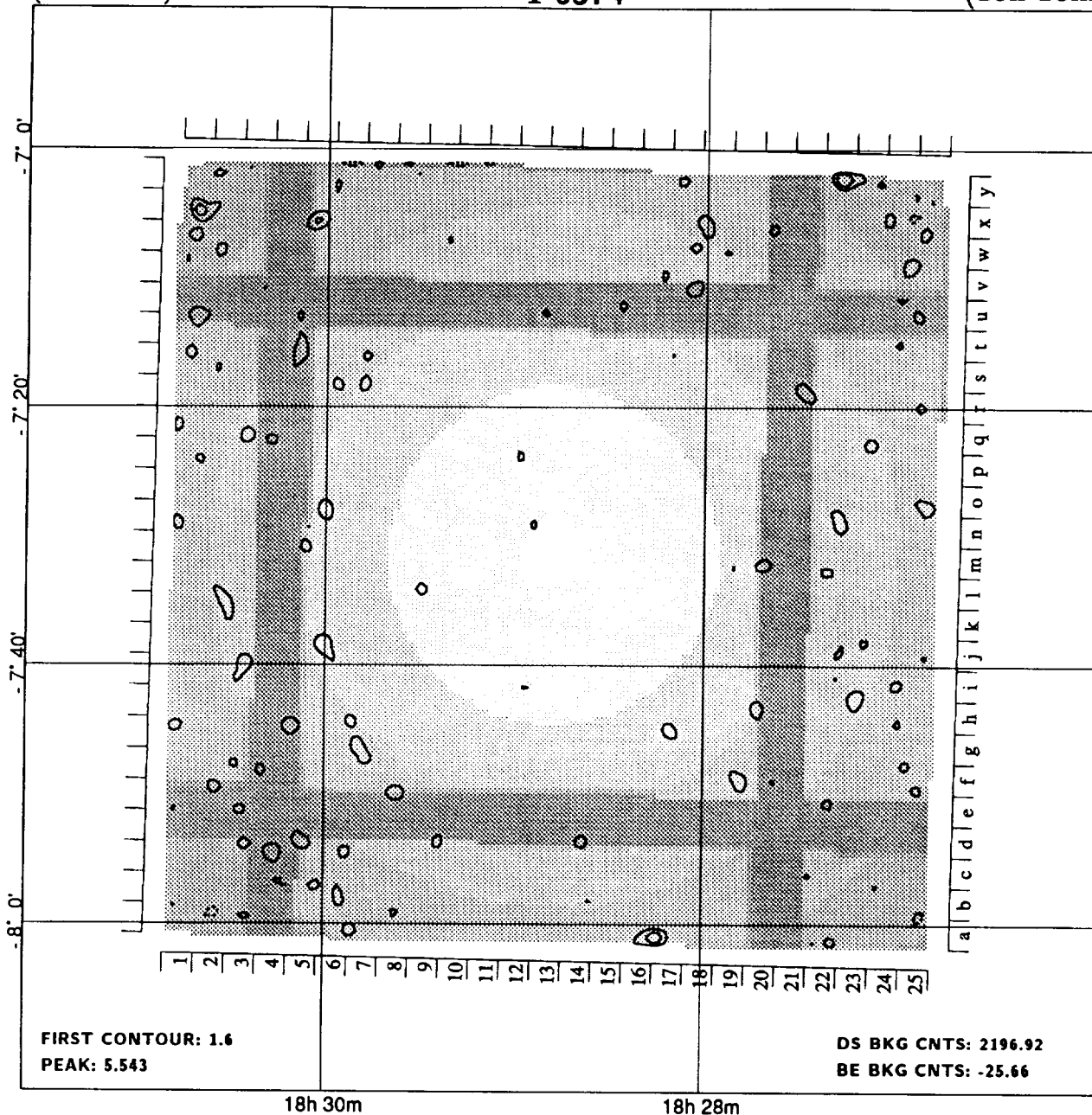
DATE: 1980/148 - 1980/148
LIVETIME: 1678.6s
ROLL ANGLE: -31.2°

NH: $4.7\text{E}+20$
REF/ID:
FIELD FLAGS:

(18h 28m)

I 6574

(18h 28m)



1828-0731, GALACTIC PLANE SURVEY

FIELD CENTER: $18^{\text{h}}28^{\text{m}}45.0^{\text{s}}$ $-07^{\circ}31'04''$ (B1950)
 $18^{\text{h}}31^{\text{m}}27.5^{\text{s}}$ $-07^{\circ}28'53''$ (J2000)
 l : 24.00 b : 1.00

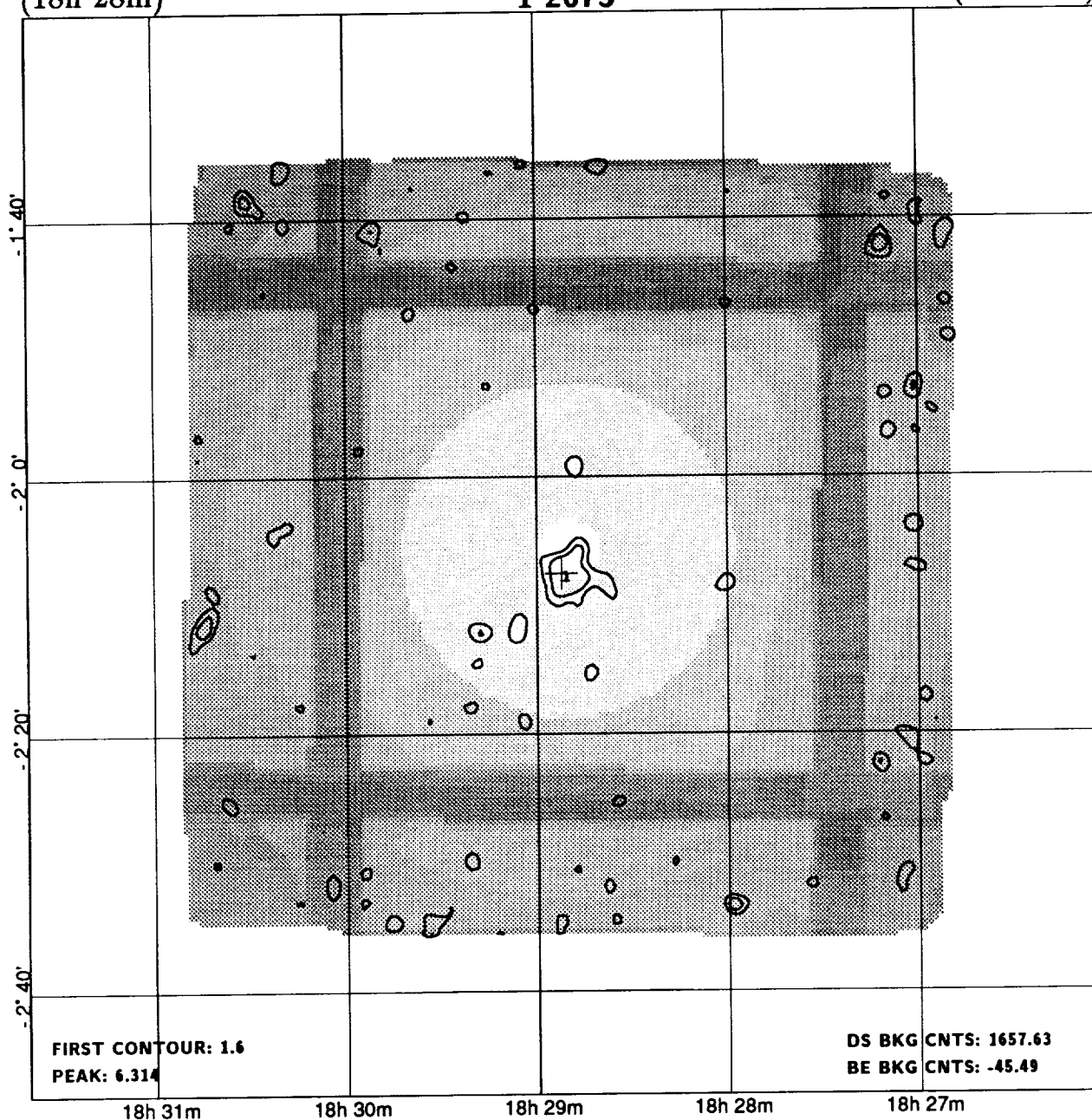
DATE: 1980/ 80 - 1980/ 80
 LIVETIME: 1844.2s
 ROLL ANGLE: -89.0°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 28m)

I 2673

(18h 28m)



NRAO 5670: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: $18^{\text{h}}28^{\text{m}}51.4^{\text{s}}$ $-02^{\circ}05'59''$ (B1950)
 $18^{\text{h}}31^{\text{m}}27.6^{\text{s}}$ $-02^{\circ}03'48''$ (J2000)
 $l: 28.81$ $b: 3.50$

DATE: 1979/ 98 - 1979/268
 LIVETIME: 1343.2s

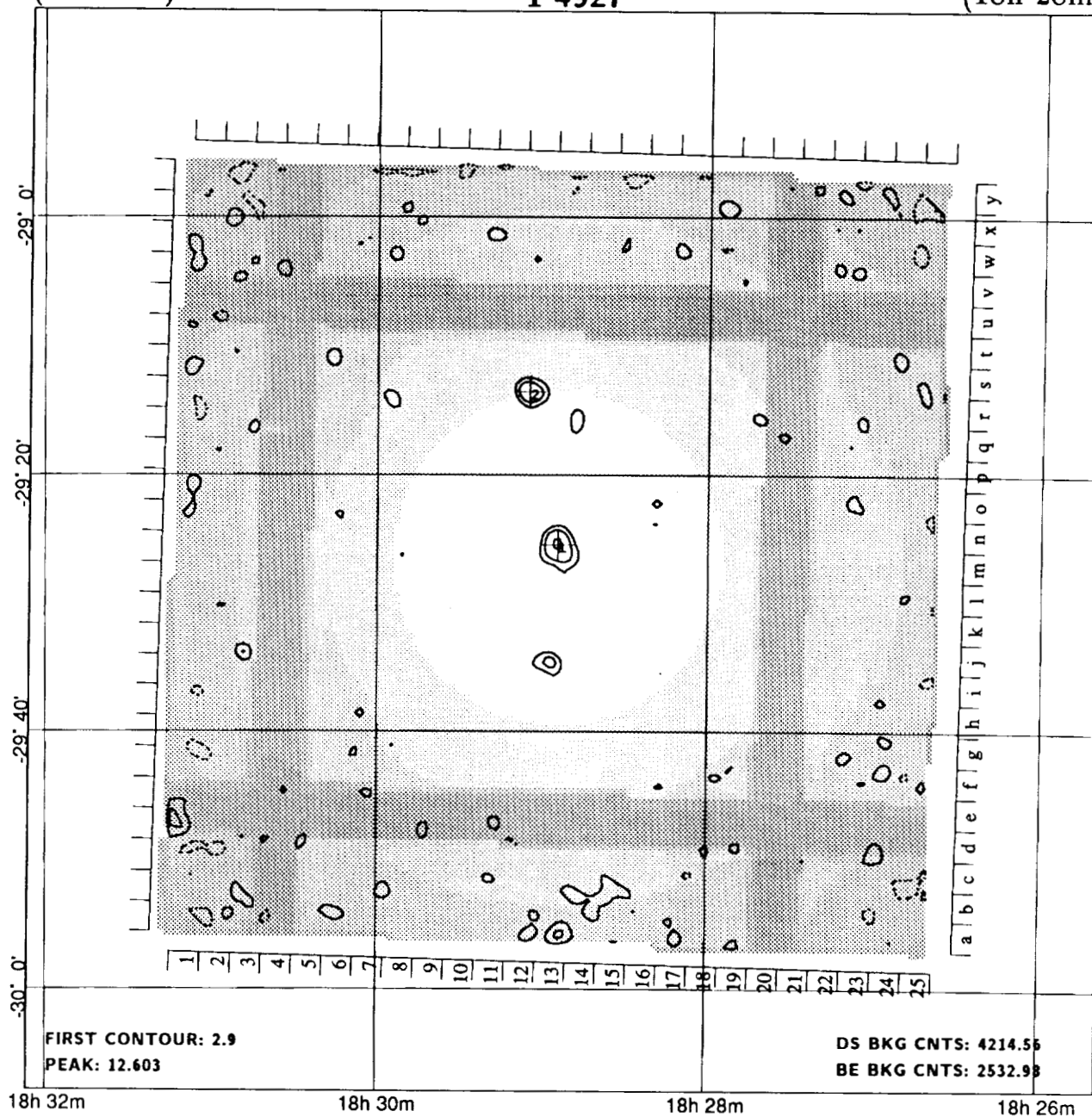
NH: $5.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4083	1	18 28 52.2	-02 07 29	36	0.0292	0.0058	29.0	4.0	5.0	1.8	0	1.5		

(18h 28m)

I 4927

(18h 28m)



CATAclysmic VARIABLE STARS: V1017 SGR

FIELD CENTER: $18^h 28^m 52.8^s$ $-29^\circ 25' 59''$ (B1950) $18^h 32^m 03.9^s$ $-29^\circ 23' 46''$ (J2000) $l: 4.48$ $b: -9.11$

DATE: 1980/ 99 - 1980/ 99

LIVETIME: 3415.2s

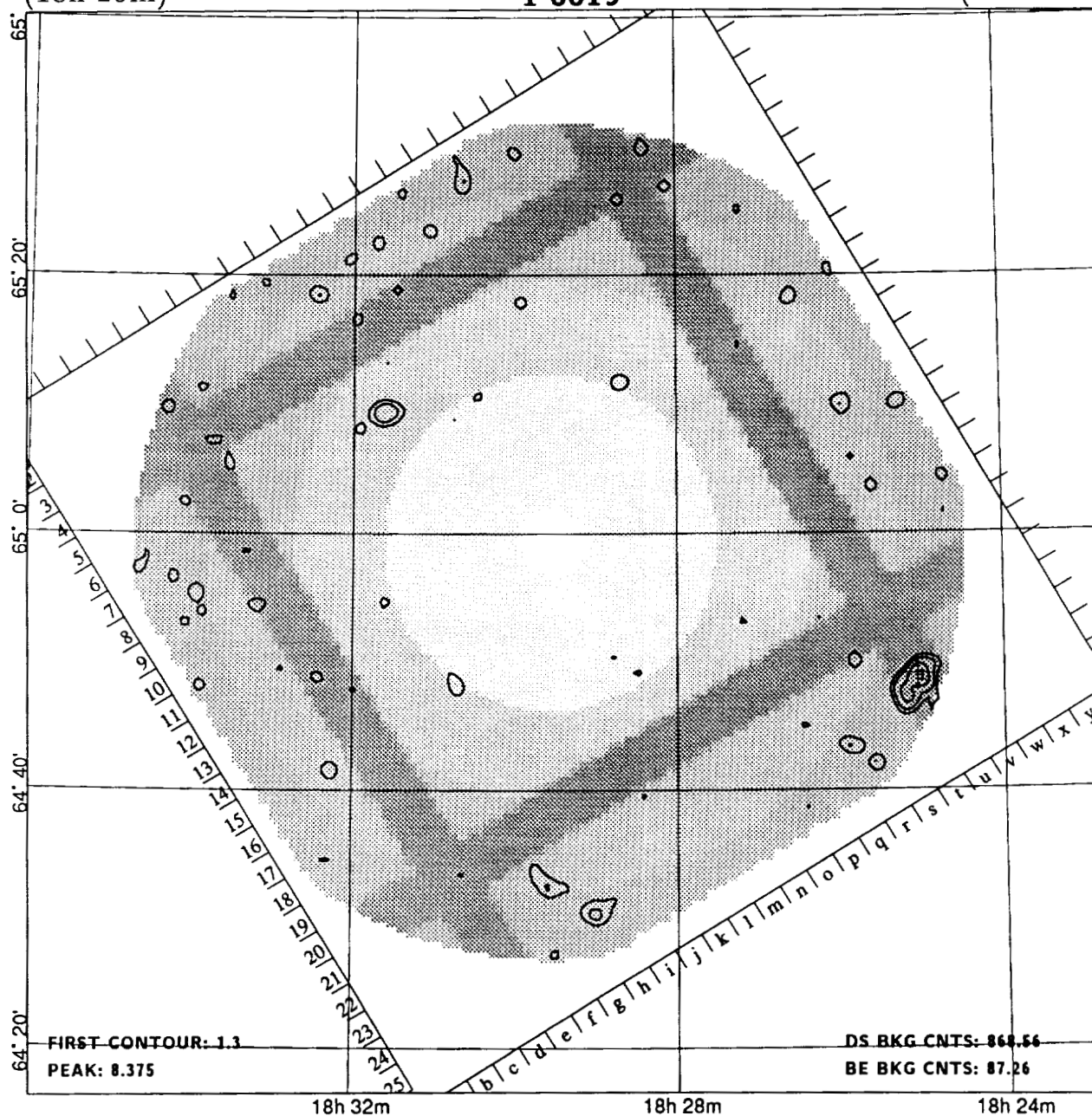
ROLL ANGLE: -88.6° NH: $9.7E+20$

REF/ID: CV

FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4084	1L	18 28 54.4	-29 25 26	35	0.0220	0.0039	55.8	17.2	5.5	0.9	0	0.9	S
4085	2L	18 29 04.9	-29 13 33	42	0.0170	0.0038	36.2	10.8	4.4	0.7	0	12.8	

(18h 29m)



GSFC NEP SURVEY - FIELD # 86 1 5

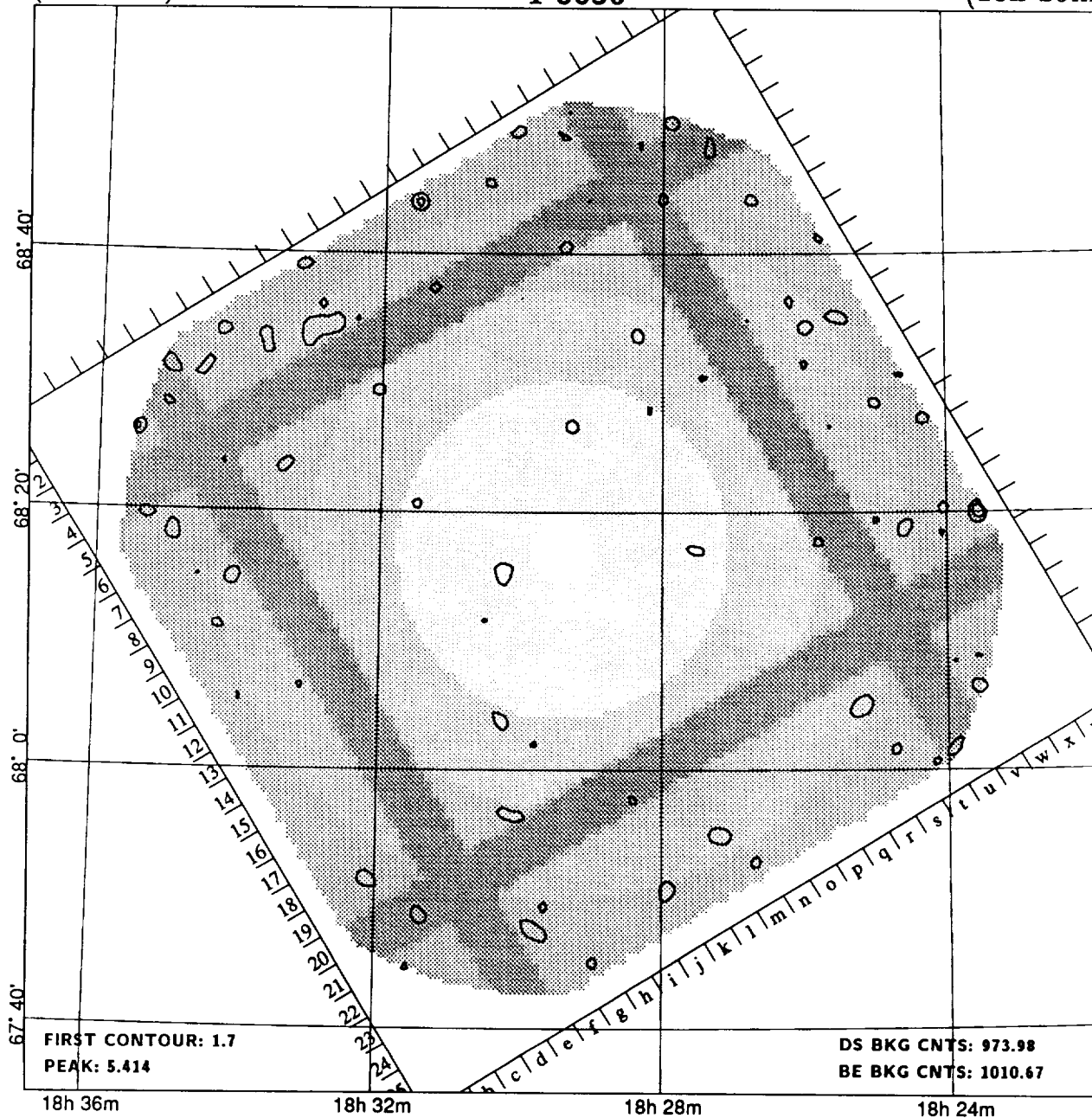
NH: 5.5E+20
REF/ID:
FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
4075	1	18 25 03.7	64 49 00	55	*0.059	0.016	14.0	1.0	3.6	1.6	1007	28.6	A	

(18h 29m)

I 8650

(18h 29m)



GSFC NEP SURVEY - FIELD # 156 6 3

FIELD CENTER: $18^h 29^m 23.7^s$ $68^\circ 16' 59''$ (B1950)
 $18^h 29^m 11.0^s$ $68^\circ 19' 07''$ (J2000)
 $l: 98.53$ $b: 27.10$

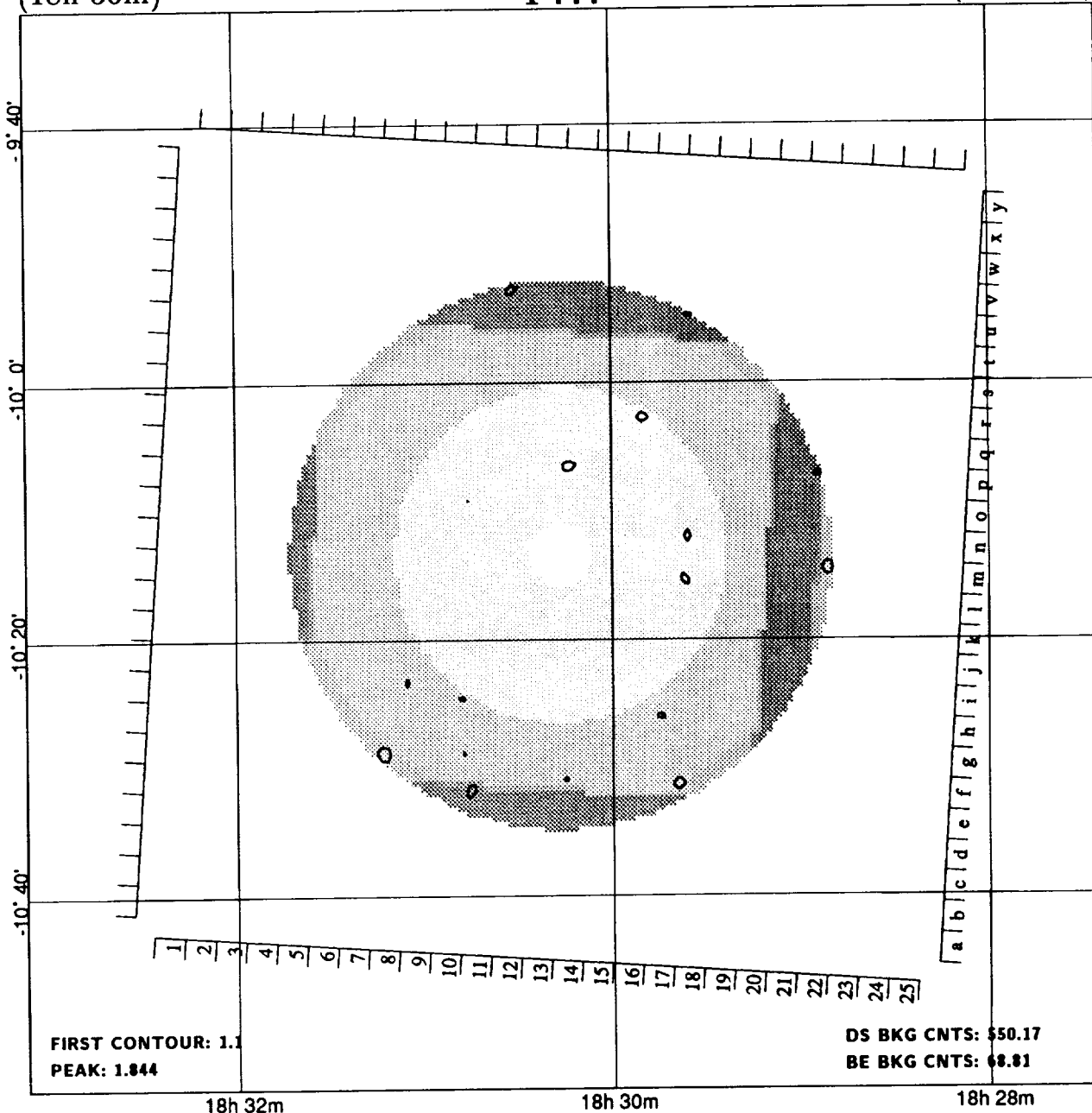
DATE: 1980/149 - 1980/150
LIVETIME: 789.2s
ROLL ANGLE: -31.4°

NH: $6.0E+20$
REF/ID:
FIELD FLAGS:

(18h 30m)

I 777

(18h 30m)



MSH 18-113 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $18^h 30^m 15.8^s$ $-10^\circ 12' 59''$ (B1950)
 $18^h 33^m 01.5^s$ $-10^\circ 10' 41''$ (J2000)
 $l: 21.79$ $b: -0.59$

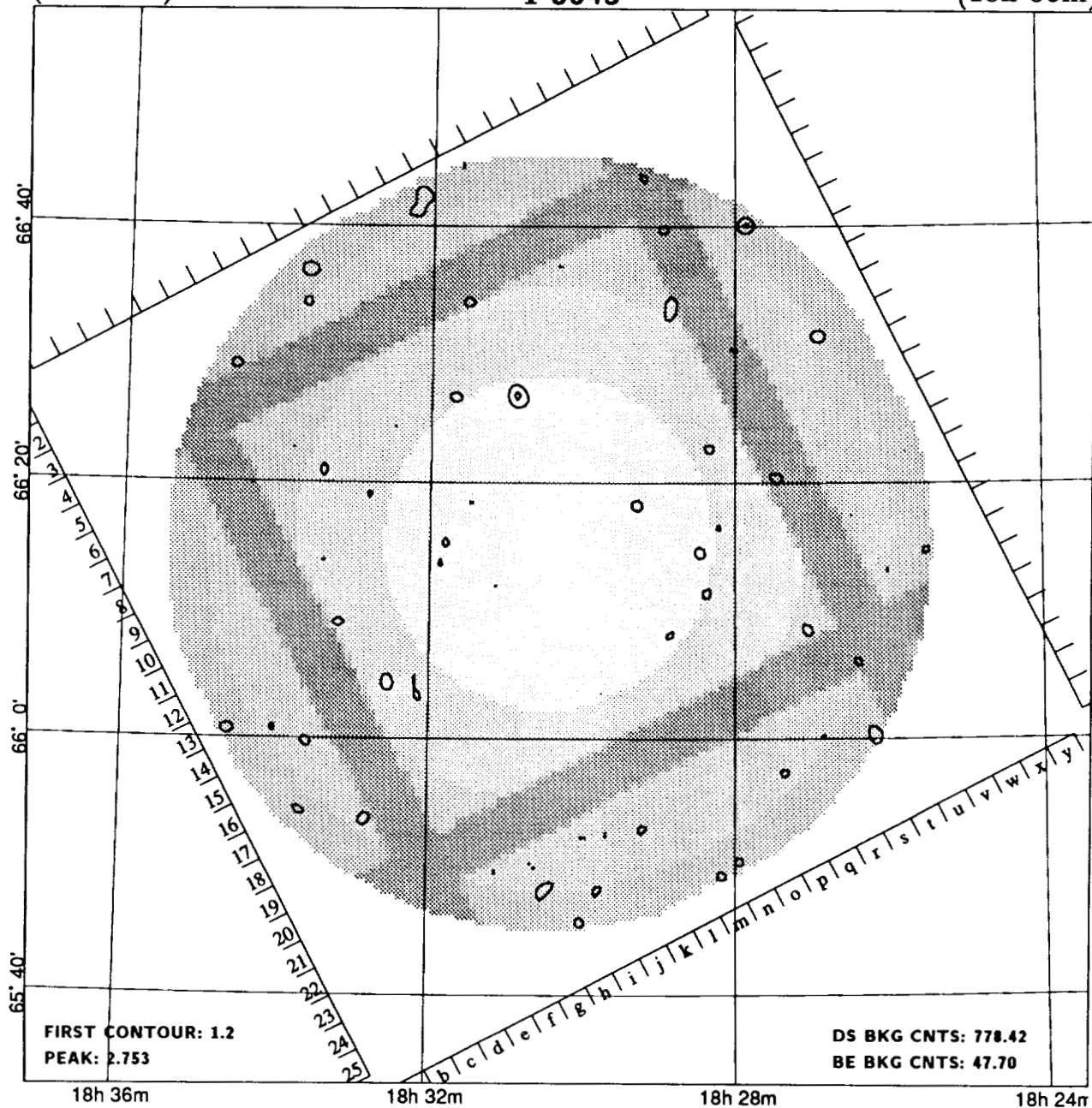
DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 445.8s
 ROLL ANGLE: -86.3°

NH: $1.9E+22$
 REF/ID:
 FIELD FLAGS: S

(18h 30m)

I 8645

(18h 30m)



GSFC NEP SURVEY - FIELD # 151 6 -2

FIELD CENTER: $18^h 30^m 10.2^s$ $66^\circ 15' 02''$ (B1950)
 $18^h 30^m 21.3^s$ $66^\circ 17' 15''$ (J2000)
 $l: 96.28$ $b: 26.77$

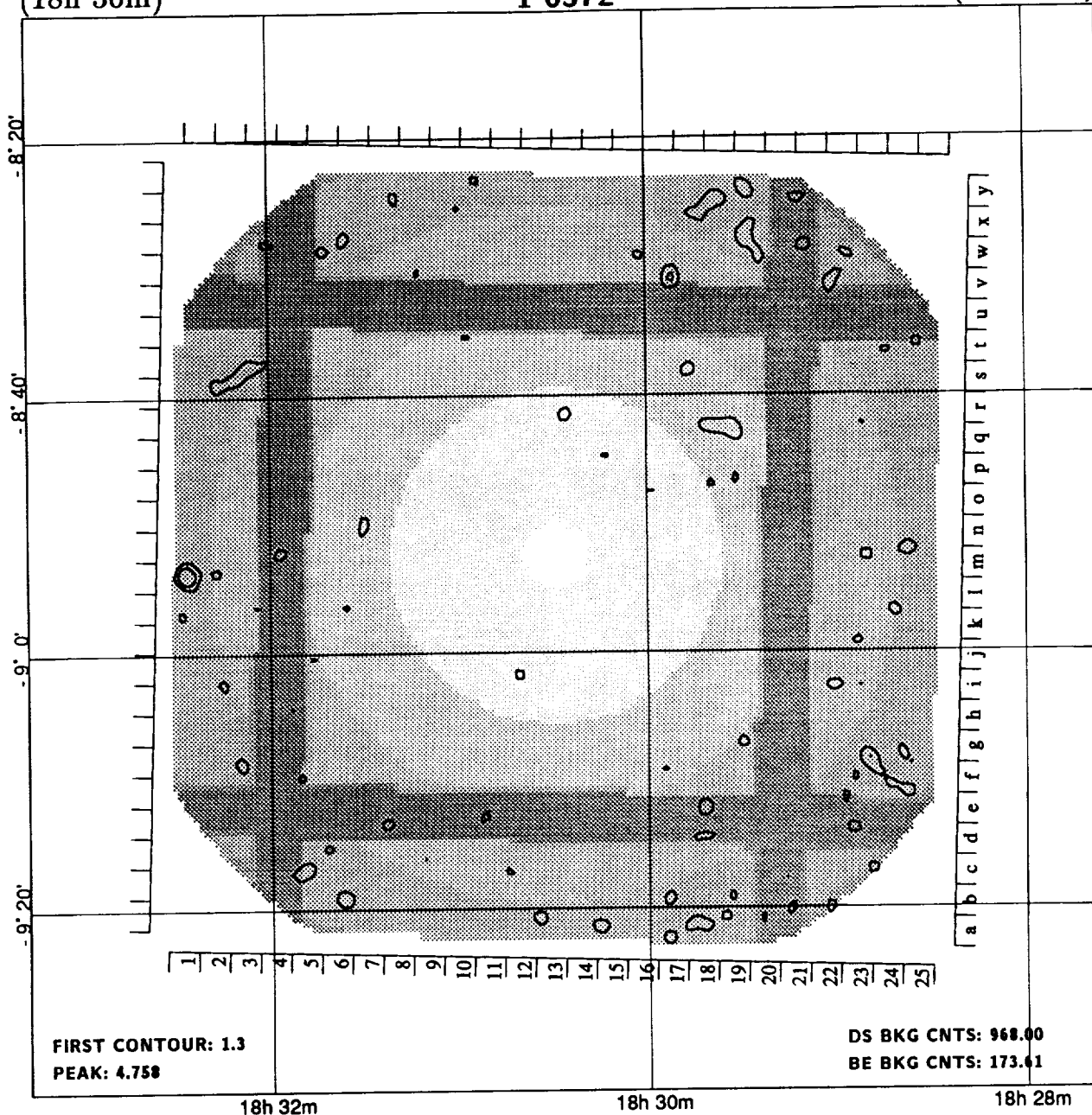
DATE: 1980/150 - 1980/150
 LIVETIME: 630.8s
 ROLL ANGLE: -27.6°

NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:

(18h 30m)

I 6572

(18h 30m)



1830-0852, GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 30^m 26.4^s$ $-08^\circ 52' 07''$ (B1950)
 $18^h 33^m 10.5^s$ $-08^\circ 49' 49''$ (J2000)
 $l: 23.00$ $b: 0.00$

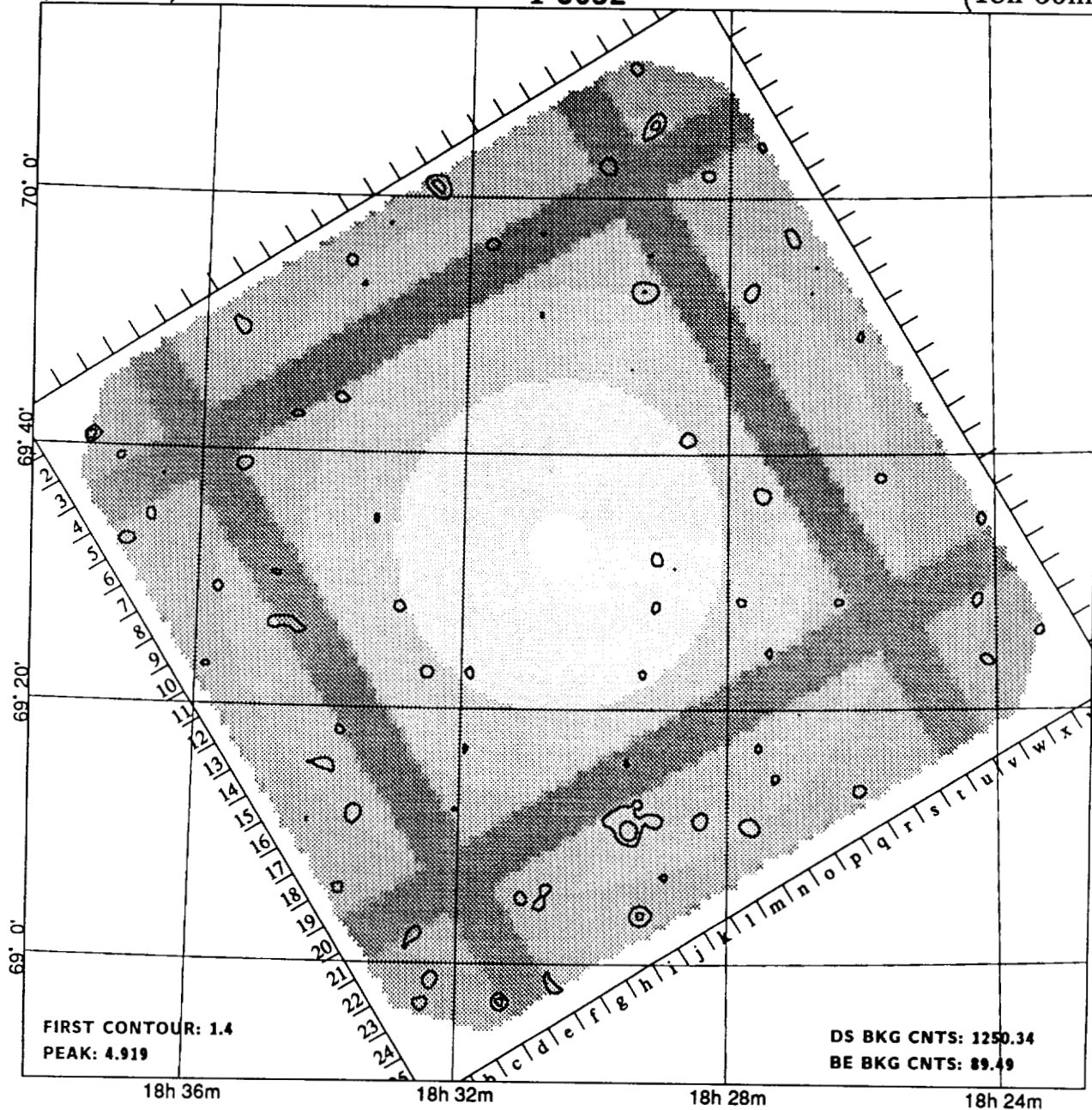
DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 812.6s
 ROLL ANGLE: -88.4°

NH: $1.4E+22$
 REF/ID:
 FIELD FLAGS:

(18h 30m)

I 8652

(18h 30m)



GSFC NEP SURVEY - FIELD # 158 2 7

FIELD CENTER: $18^h 30^m 31.8^s$ $69^\circ 32' 48''$ (B1950)
 $18^h 30^m 07.9^s$ $69^\circ 35' 00''$ (J2000)
 $l: 99.96$ $b: 27.14$

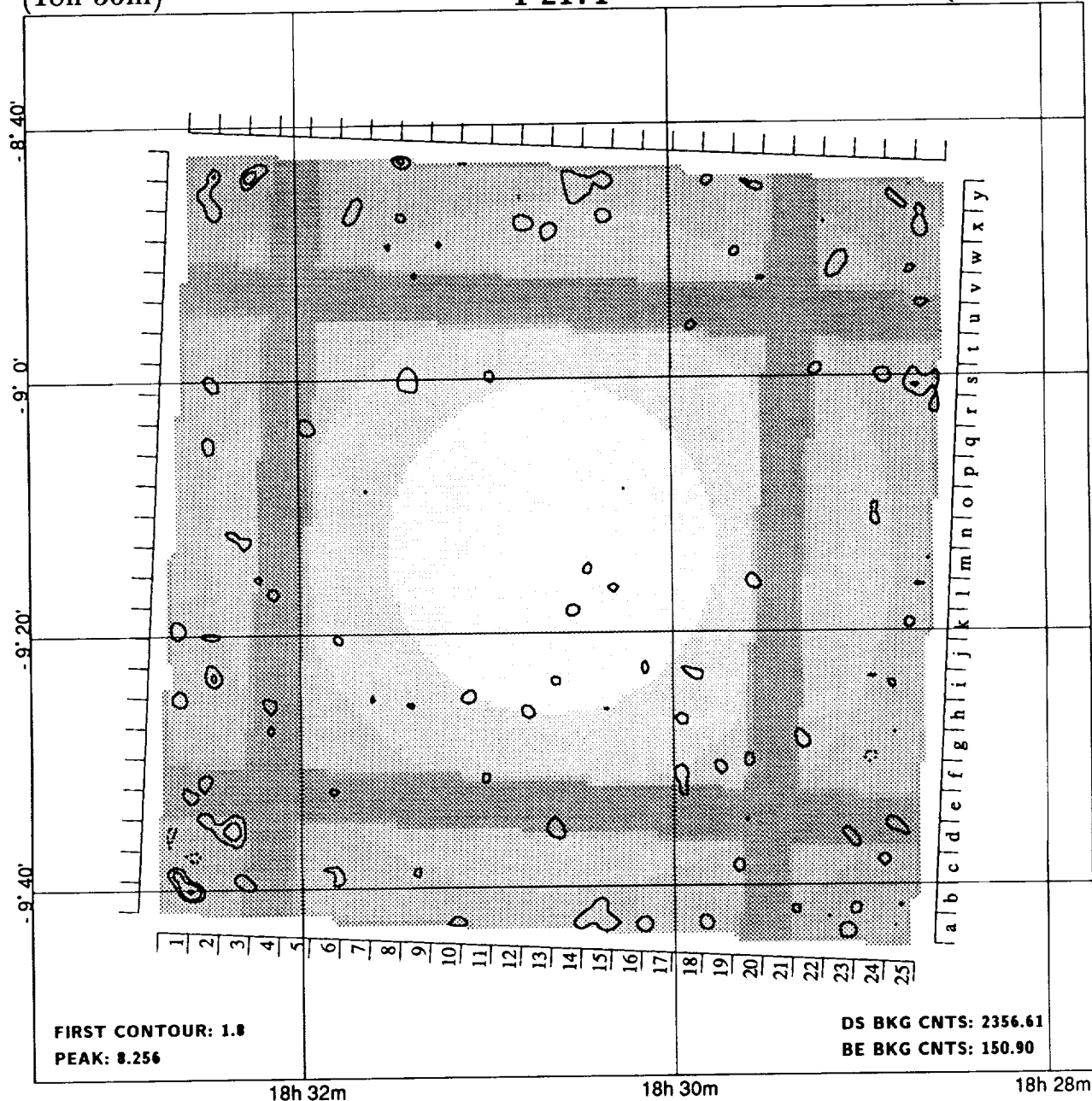
DATE: 1980/150 - 1980/150
 LIVETIME: 1013.2s
 ROLL ANGLE: -31.8°

NH: $6.1E+20$
 REF/ID:
 FIELD FLAGS:

(18h 30m)

I 2171

(18h 30m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G22.7-0.2

FIELD CENTER: $18^h 30^m 35.9^s$ $-09^\circ 12' 59''$ (B1950)
 $18^h 33^m 20.4^s$ $-09^\circ 10' 40''$ (J2000)
 $l: 22.71$ $b: -0.20$

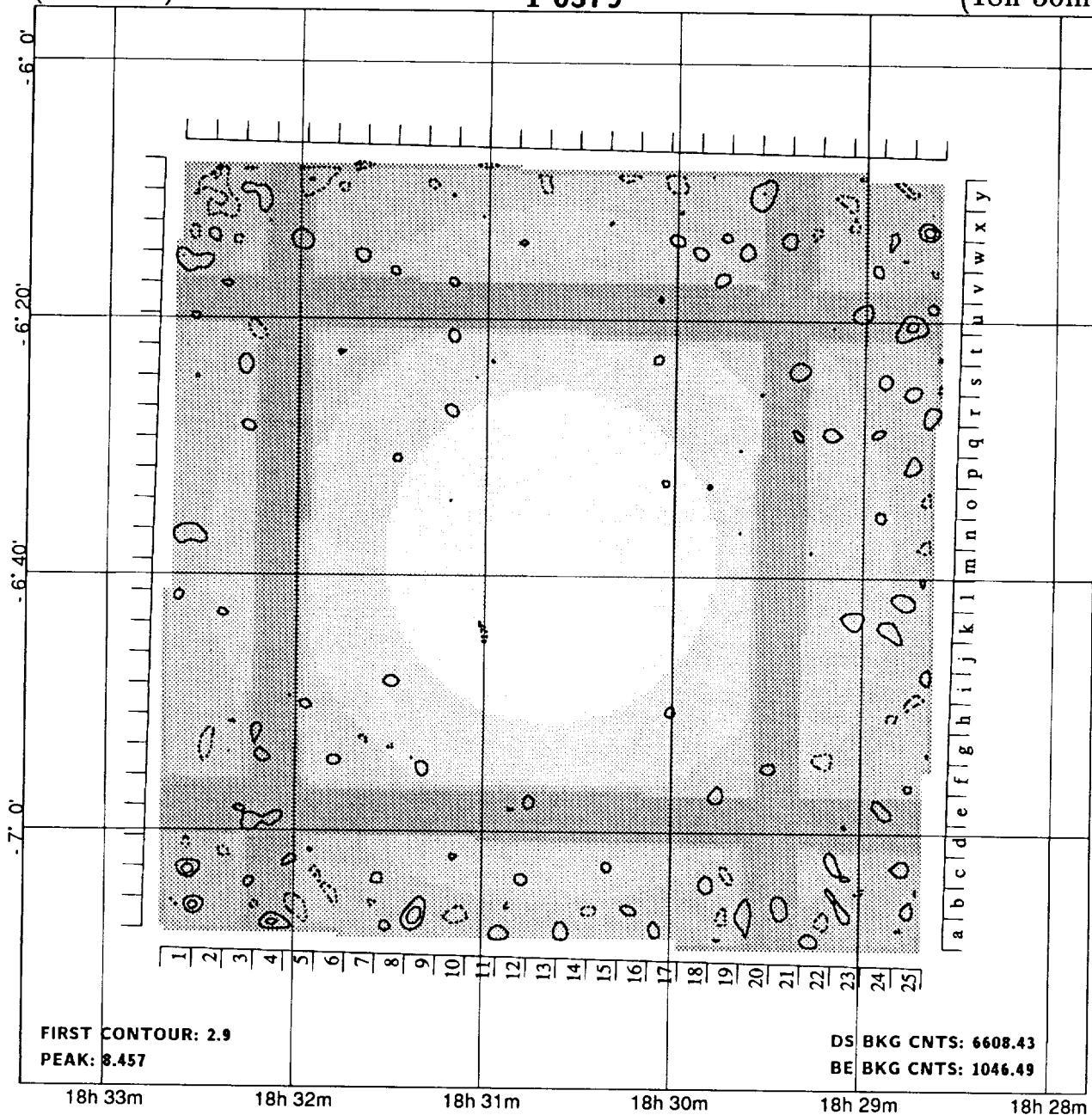
DATE: 1979/ 87 - 1979/ 87
LIVETIME: 1909.6s
ROLL ANGLE: -87.2°

NH: $1.8E+22$
REF/ID:
FIELD FLAGS:

(18h 30m)

I 6579

(18h 30m)



FIELD CENTER: $18^h 30^m 36.6^s$ $-06^\circ 37' 58''$ (B1950)
 $18^h 33^m 18.1^s$ $-06^\circ 35' 39''$ (J2000)
 $l: 25.00$ $b: 1.00$

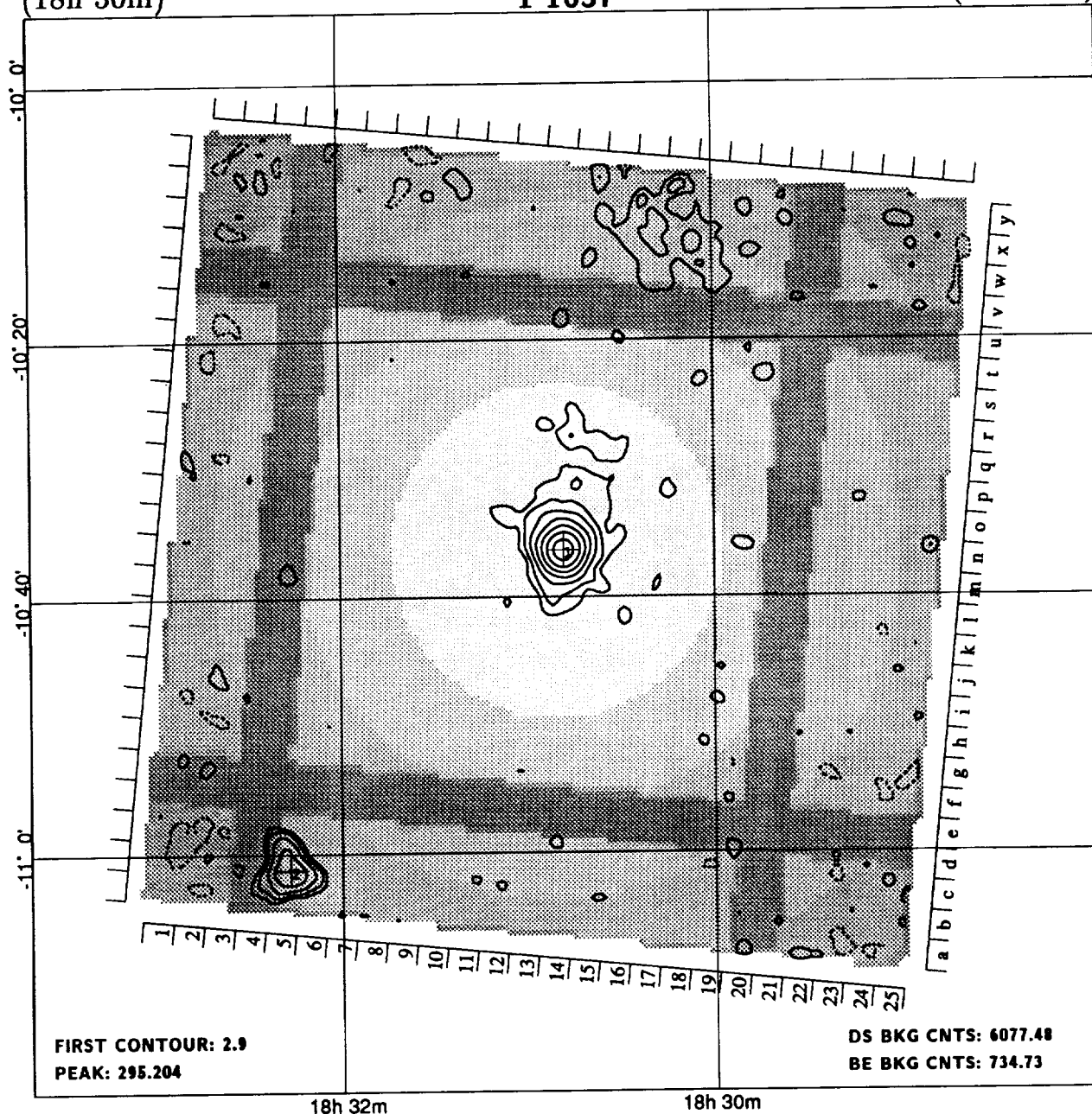
DATE: 1980/ 81 - 1980/ 81
 LIVETIME: 5547.3s
 ROLL ANGLE: -88.9°

NH: $1.3E+22$
 REF/ID:
 FIELD FLAGS:

(18h 30m)

I 1657

(18h 30m)



CRAB-LIKE SNR G21.5-.9, DOY 89,275

FIELD CENTER: $18^h 30^m 47.8^s$ $-10^\circ 36' 29''$ (B1950)
 $18^h 33^m 34.0^s$ $-10^\circ 34' 09''$ (J2000)
 $l: 21.50$ $b: -0.89$

DATE: 1979/ 99 - 1979/ 99
 LIVETIME: 4924.7s
 ROLL ANGLE: -84.4°

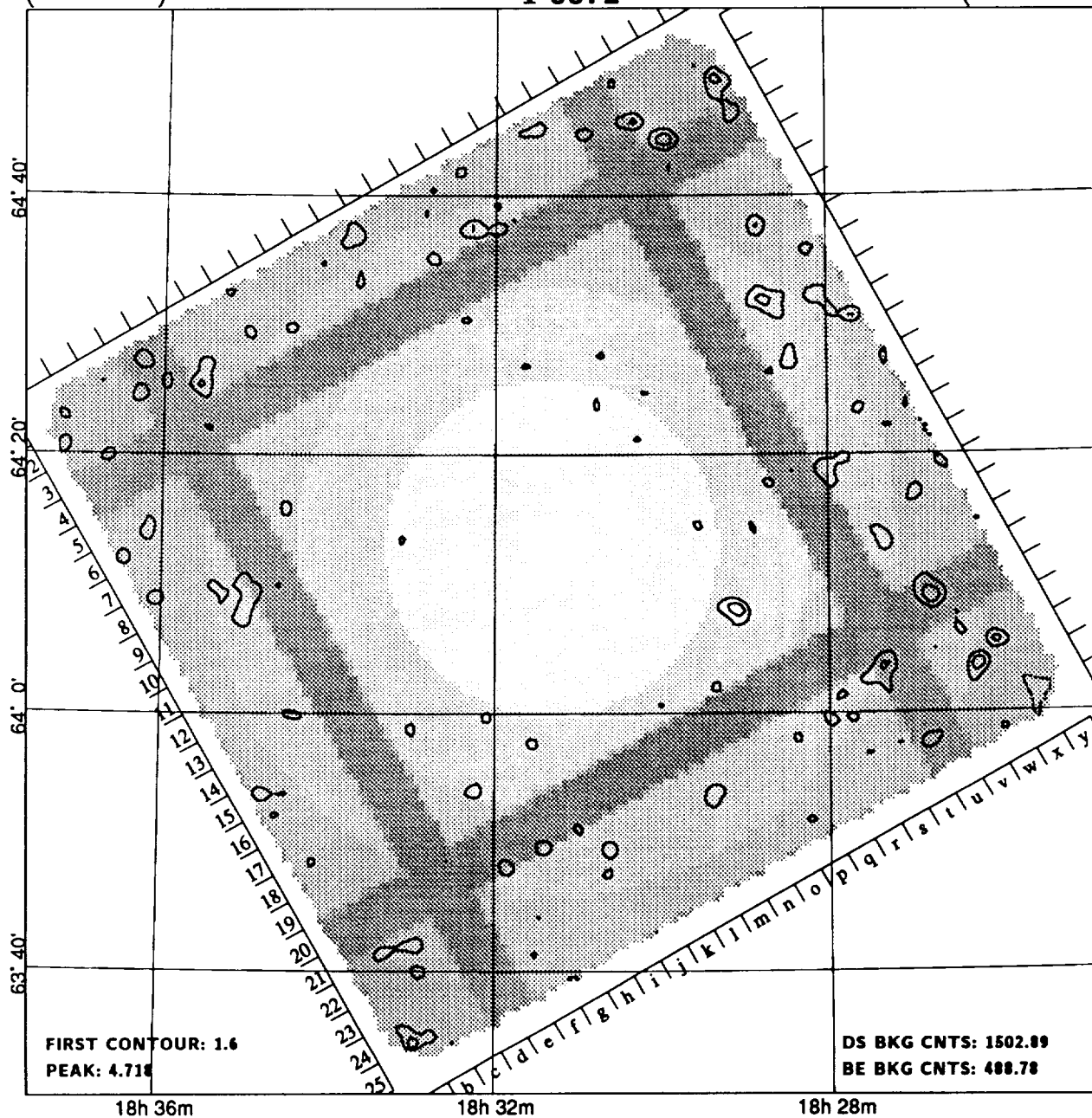
NH: $1.8E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4090	1	18 30 48.3	-10 36 24	31	0.3069	0.0092	1127.2	17.8	33.3	1.4	0	0.2	H	SNR
4092	2	18 32 16.6	-11 01 16	49	*0.0574	0.0065	86.6	8.4	8.9	1.5	603	32.7	H	

(18h 31m)

I 8872

(18h 31m)



GSFC NEP SURVEY - FIELD # 139 -6 -4

FIELD CENTER: $18^{\text{h}}31^{\text{m}}11.2^{\text{s}}$ $64^{\circ}12'33''$ (B1950)
 $18^{\text{h}}31^{\text{m}}27.9^{\text{s}}$ $64^{\circ}14'50''$ (J2000)
 ℓ : 94.04 b : 26.38

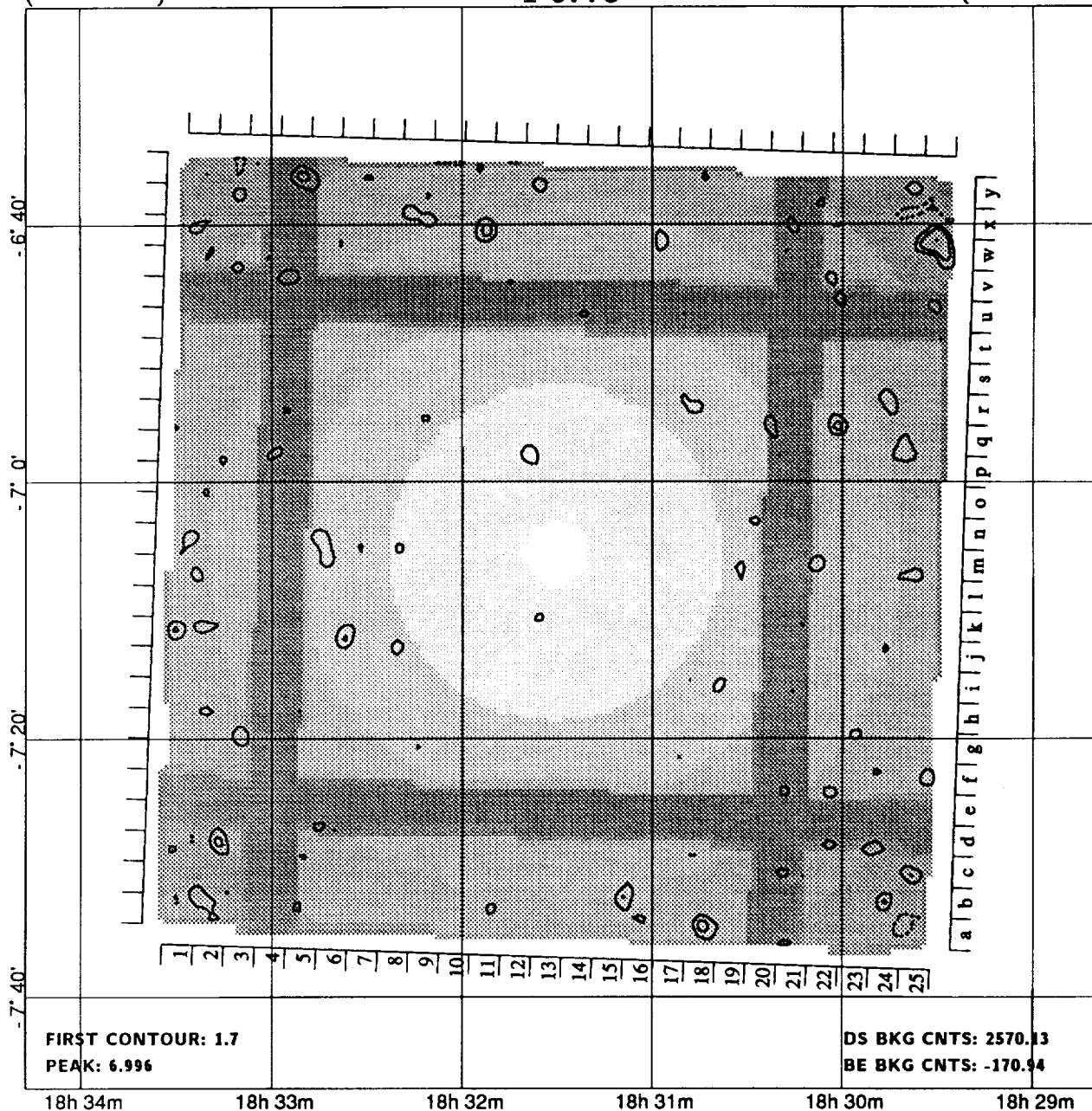
DATE: 1980/150 - 1980/150
 LIVETIME: 1217.8s
 ROLL ANGLE: -29.5°

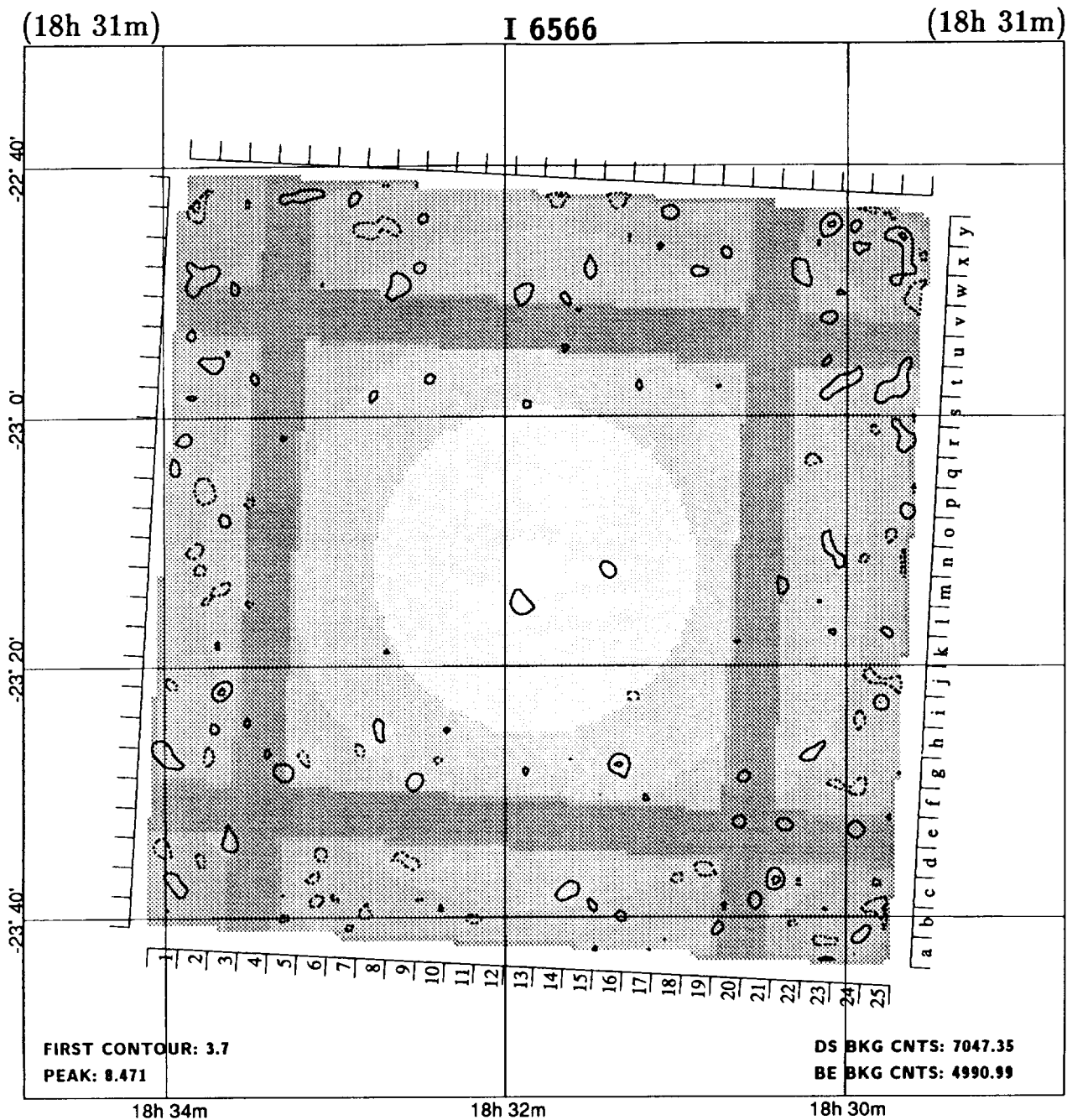
NH: $4.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 31m)

I 6775

(18h 31m)





4U 1831-23, GALACTIC SOURCE LOCATION AND SPECTRA

FIELD CENTER: $18^{\text{h}}31^{\text{m}}46.8^{\text{s}}$ $-23^{\circ}12'17''$ (B1950)
 $18^{\text{h}}34^{\text{m}}48.9^{\text{s}}$ $-23^{\circ}09'52''$ (J2000)
 l : 10.40 b : -6.90

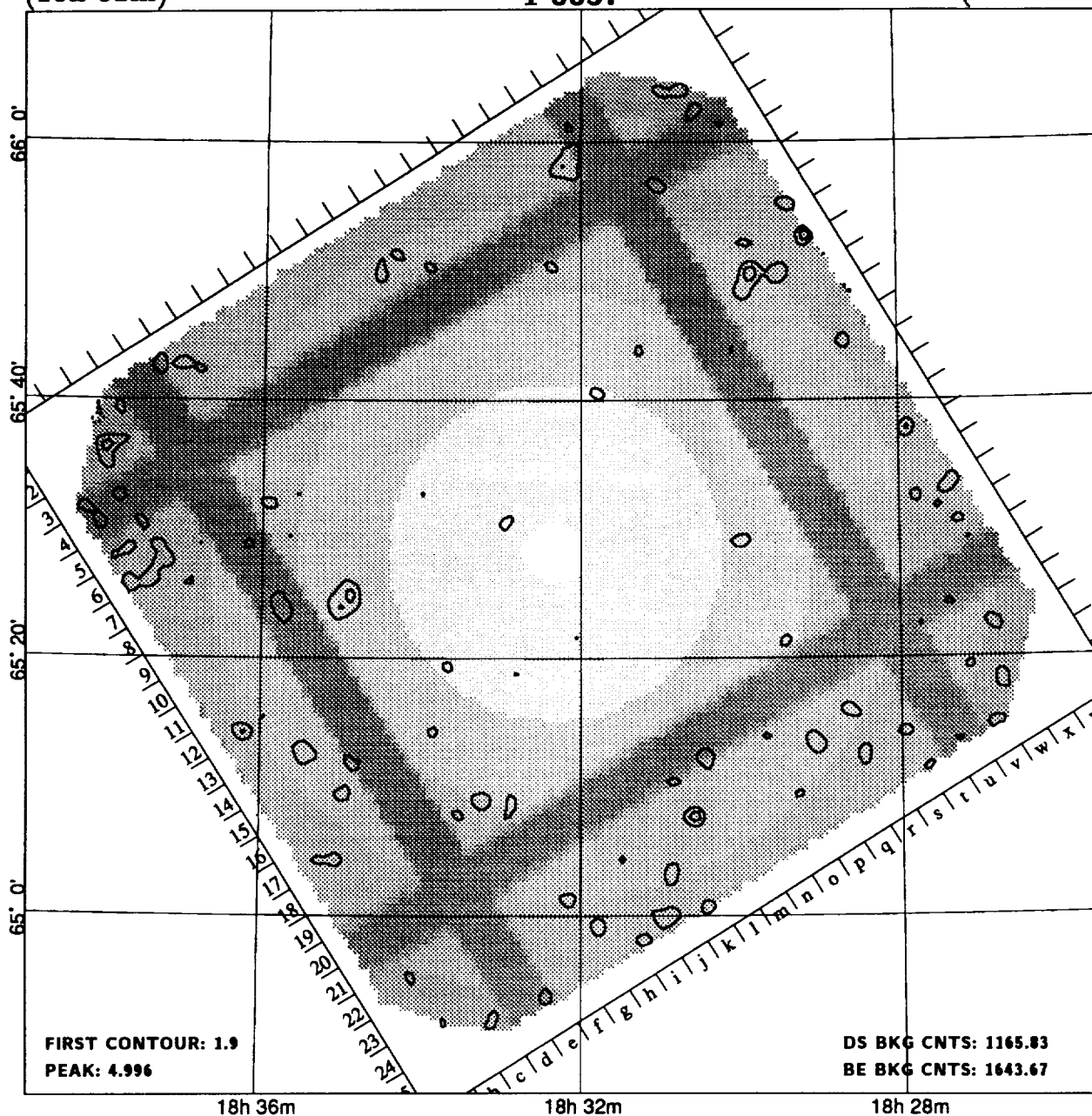
DATE: 1981/ 82 - 1981/ 82
 LIVETIME: 5710.7s
 ROLL ANGLE: -86.9°

NH: $3.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

(18h 32m)

I 8857

(18h 32m)



GSFC NEP SURVEY - FIELD # 124 2 6

FIELD CENTER: $18^{\text{h}}32^{\text{m}}12.9^{\text{s}}$ $65^{\circ}28'14''$ (B1950)
 $18^{\text{h}}32^{\text{m}}21.6^{\text{s}}$ $65^{\circ}30'35''$ (J2000)
 $l: 95.45$ $b: 26.46$

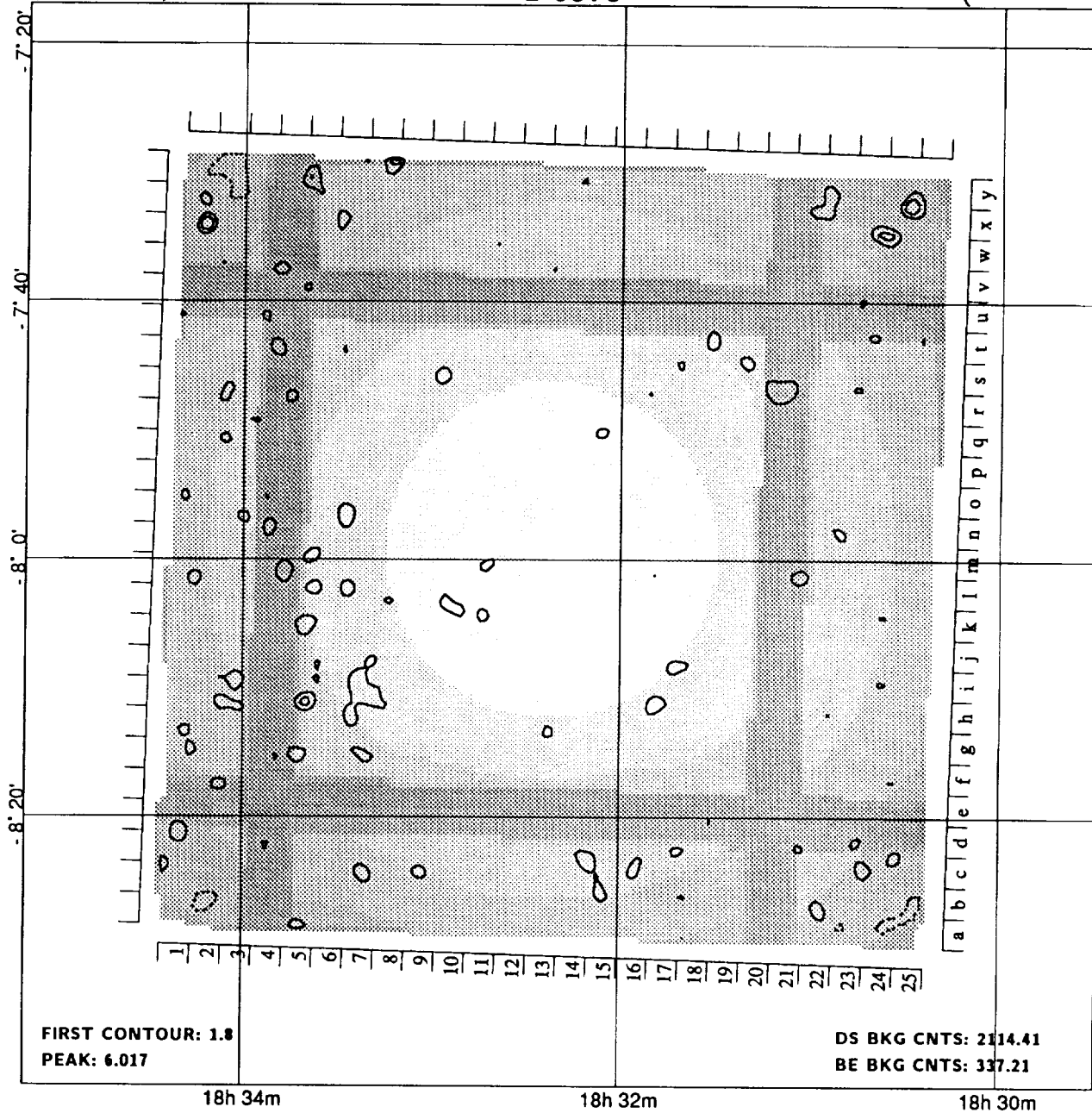
DATE: 1980/149 - 1980/149
LIVETIME: 944.7s
ROLL ANGLE: -32.0°

NH: $5.7\text{E}+20$
REF/ID:
FIELD FLAGS: L

(18h 32m)

I 6575

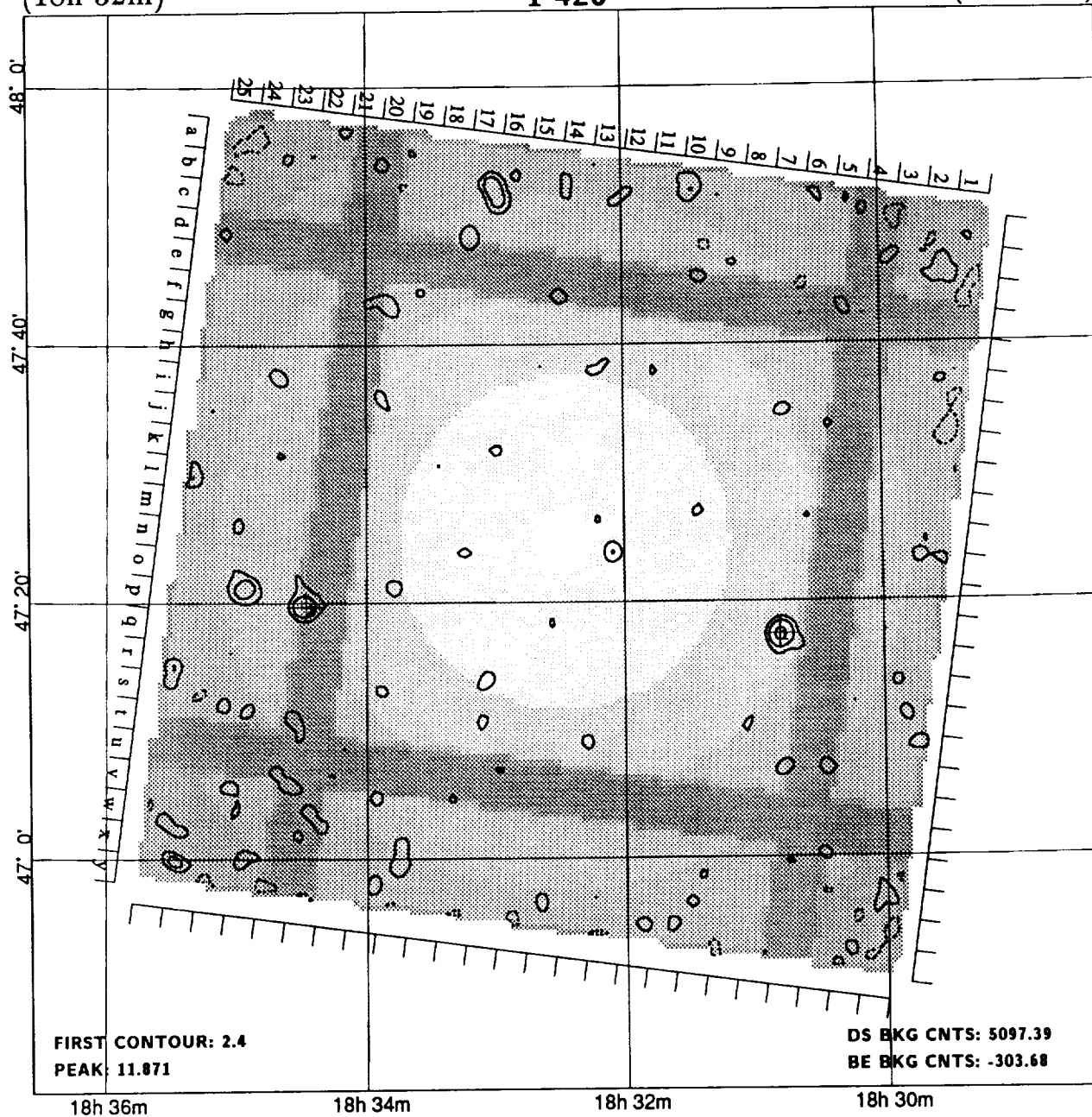
(18h 32m)



(18h 32m)

I 426

(18h 32m)



3C 381 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $18^{\text{h}}32^{\text{m}}27.8^{\text{s}}$ $47^{\circ}23'59''$ (B1950)
 $18^{\text{h}}33^{\text{m}}49.7^{\text{s}}$ $47^{\circ}26'24''$ (J2000)
 $l: 76.07$ $b: 22.46$

DATE: 1979/281 - 1979/281
 LIVETIME: 4130.5s
 ROLL ANGLE: 97.6°

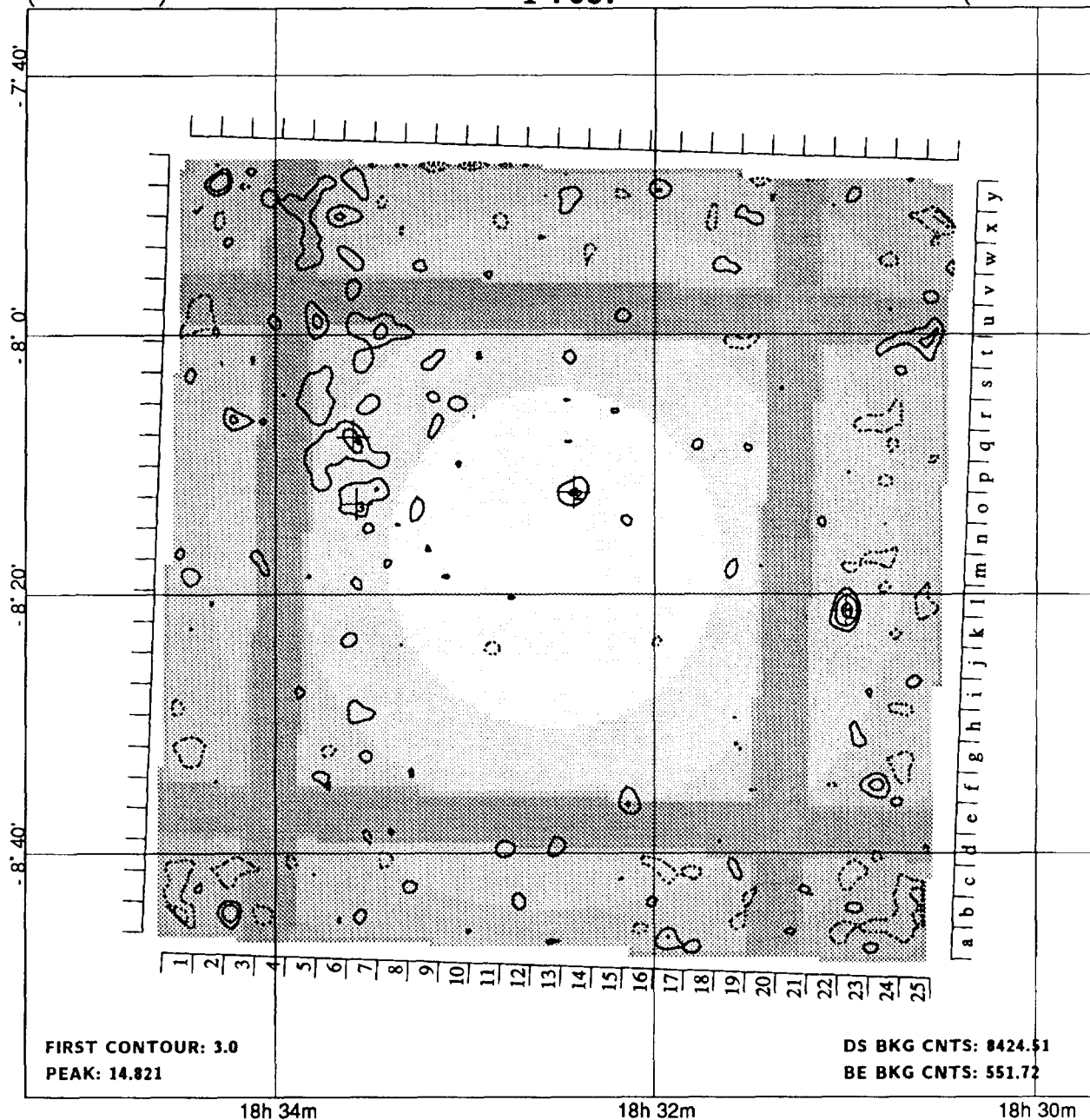
NH: $6.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4089	1	18 30 48.2	47 17 27	51	0.0125	0.0027	27.8	7.2	4.7	0.8	0	17.9		
4107	2	18 34 28.2	47 19 41	55	*0.0100	0.0025	20.5	5.5	4.0	0.8	1006	21.1		

(18h 32m)

I 7687

(18h 32m)



ALP SCT,CORONAE/WINDS DIVISION AMONG LATE-TYPE STARS

FIELD CENTER: $18^h 32^m 28.9^s$ $-08^\circ 16' 50''$ (B1950)
 $18^h 35^m 12.3^s$ $-08^\circ 14' 23''$ (J2000)
 $l: 23.75$ $b: -0.17$

DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 7071.8s
 ROLL ANGLE: -88.1°

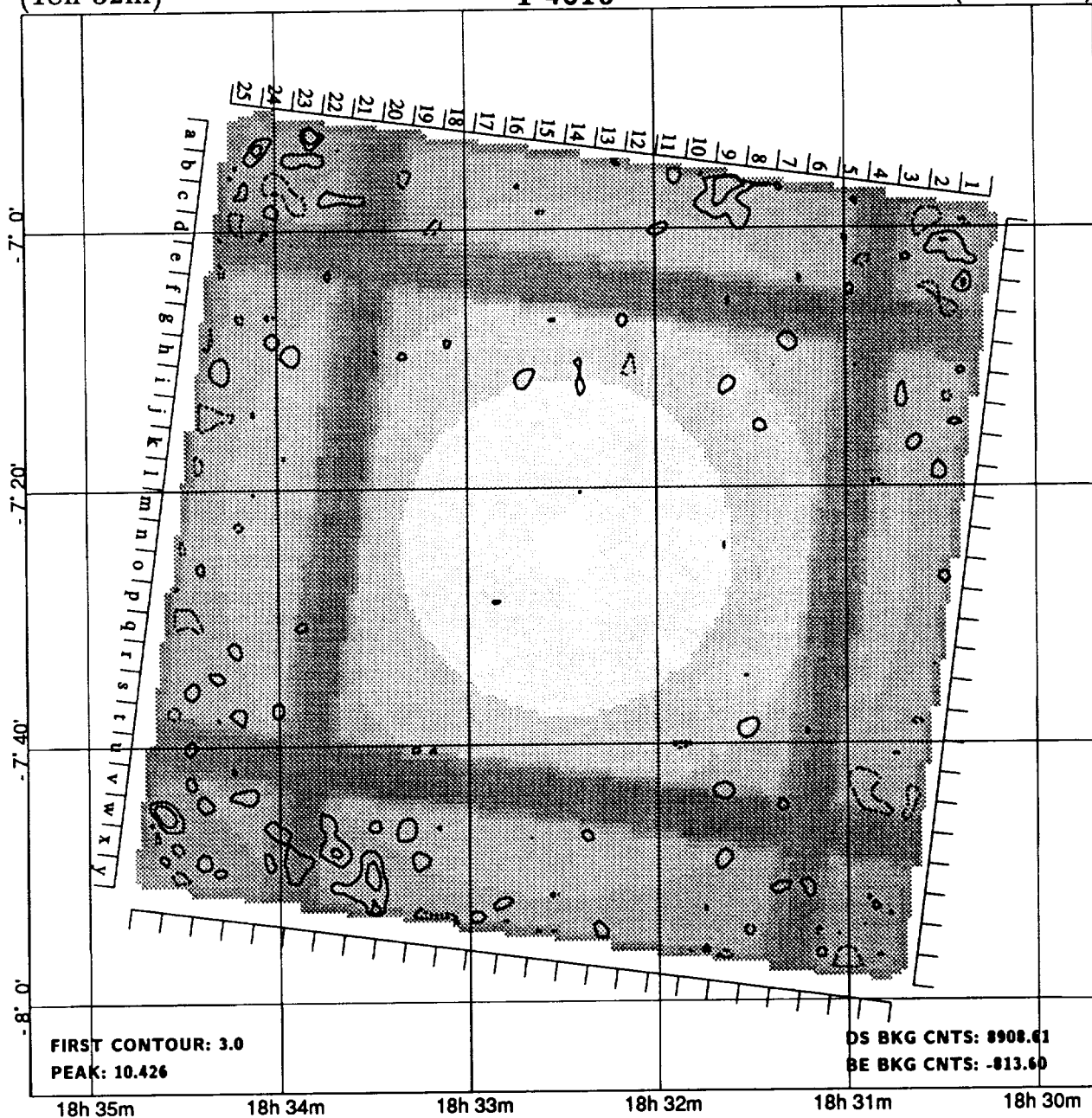
NH: $1.5E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4091	1	18 30 59.7	-08 21 17	51	0.0091	0.0021	30.0	16.0	4.4	0.8	0	22.4	
4093	2	18 32 25.6	-08 12 06	42	0.0054	0.0014	27.0	23.0	3.8	0.7	0	5.0	H
4100	3	18 33 34.4	-08 13 01	56	0.0054	0.0015	22.0	16.0	3.6	1.2	0	16.8	H
4101	4	18 33 35.5	-08 07 51	55	0.0063	0.0016	23.8	14.2	3.9	1.9	0	19.0	H

(18h 32m)

I 4610

(18h 32m)



FAR INFRA RED SOURCE, POSSIBLE OB ASSOCIATION HIDDEN BY DUST

FIELD CENTER: $18^{\text{h}}32^{\text{m}}29.8^{\text{s}}$ $-07^{\circ}24'59''$ (B1950)
 $18^{\text{h}}35^{\text{m}}12.1^{\text{s}}$ $-07^{\circ}22'32''$ (J2000)
 $l: 24.52$ $b: 0.23$

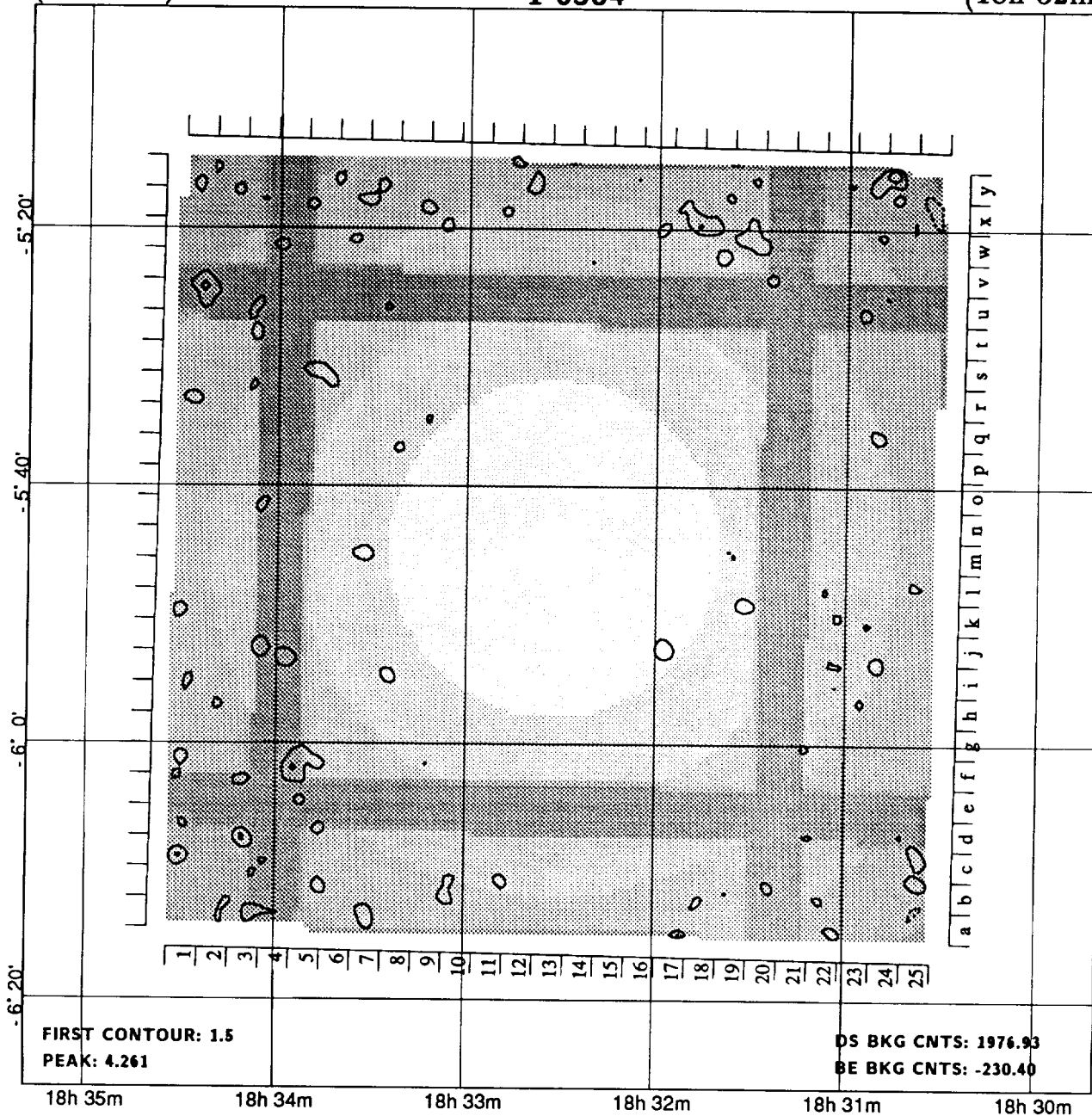
DATE: 1979/265 - 1979/266
 LIVETIME: 7218.9s
 ROLL ANGLE: 97.5°

NH: $1.5\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 32m)

I 6584

(18h 32m)



1832-0544, GALACTIC PLANE SURVEY

FIELD CENTER: $18^{\text{h}}32^{\text{m}}29.8^{\text{s}}$ $-05^{\circ}44'52''$ (B1950)
 $18^{\text{h}}35^{\text{m}}10.2^{\text{s}}$ $-05^{\circ}42'25''$ (J2000)
 l : 26.00 b : 1.00

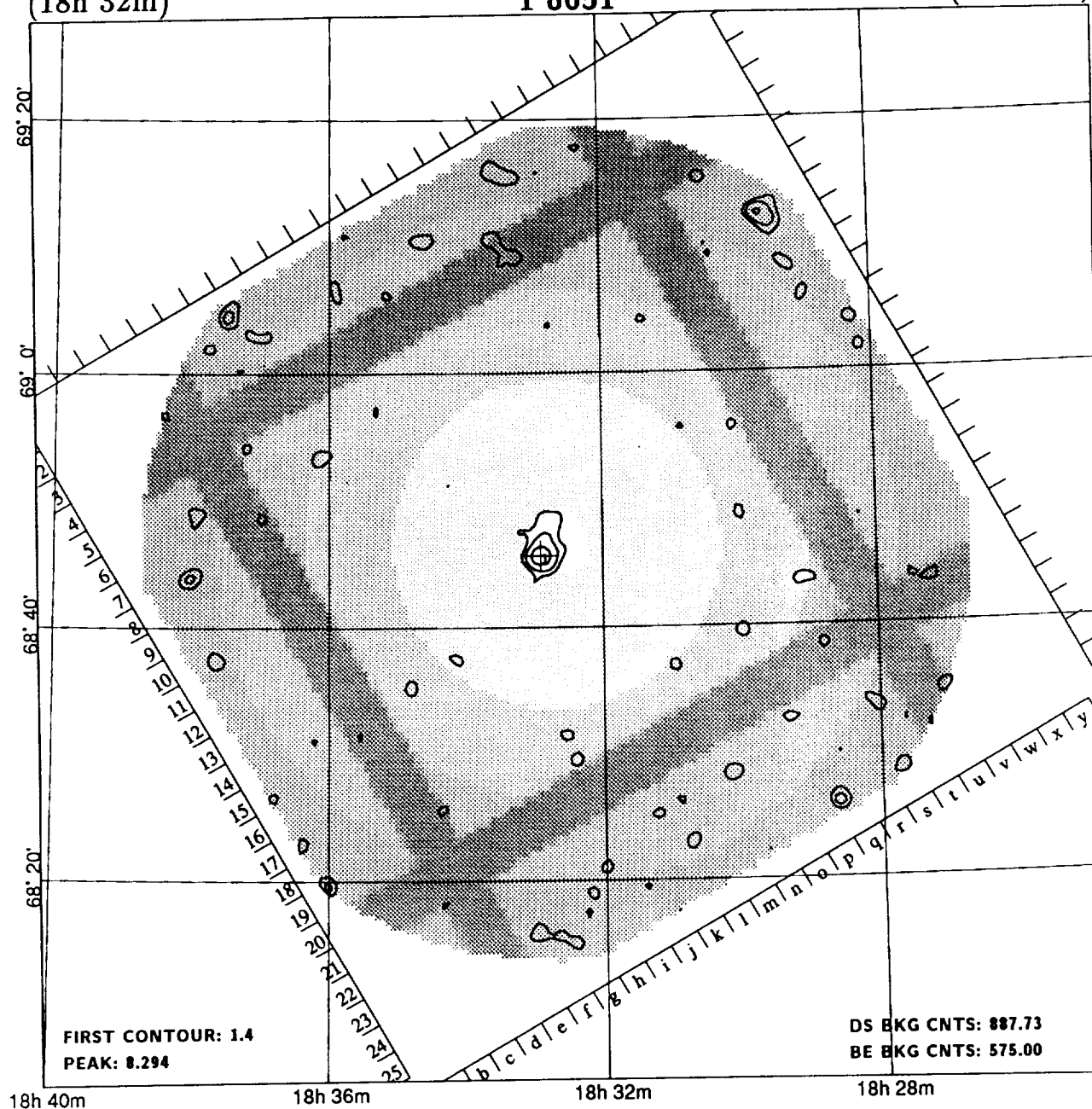
DATE: 1980/ 81 - 1980/ 81
 LIVETIME: 1659.5s
 ROLL ANGLE: -89.0°

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 32m)

I 8651

(18h 32m)



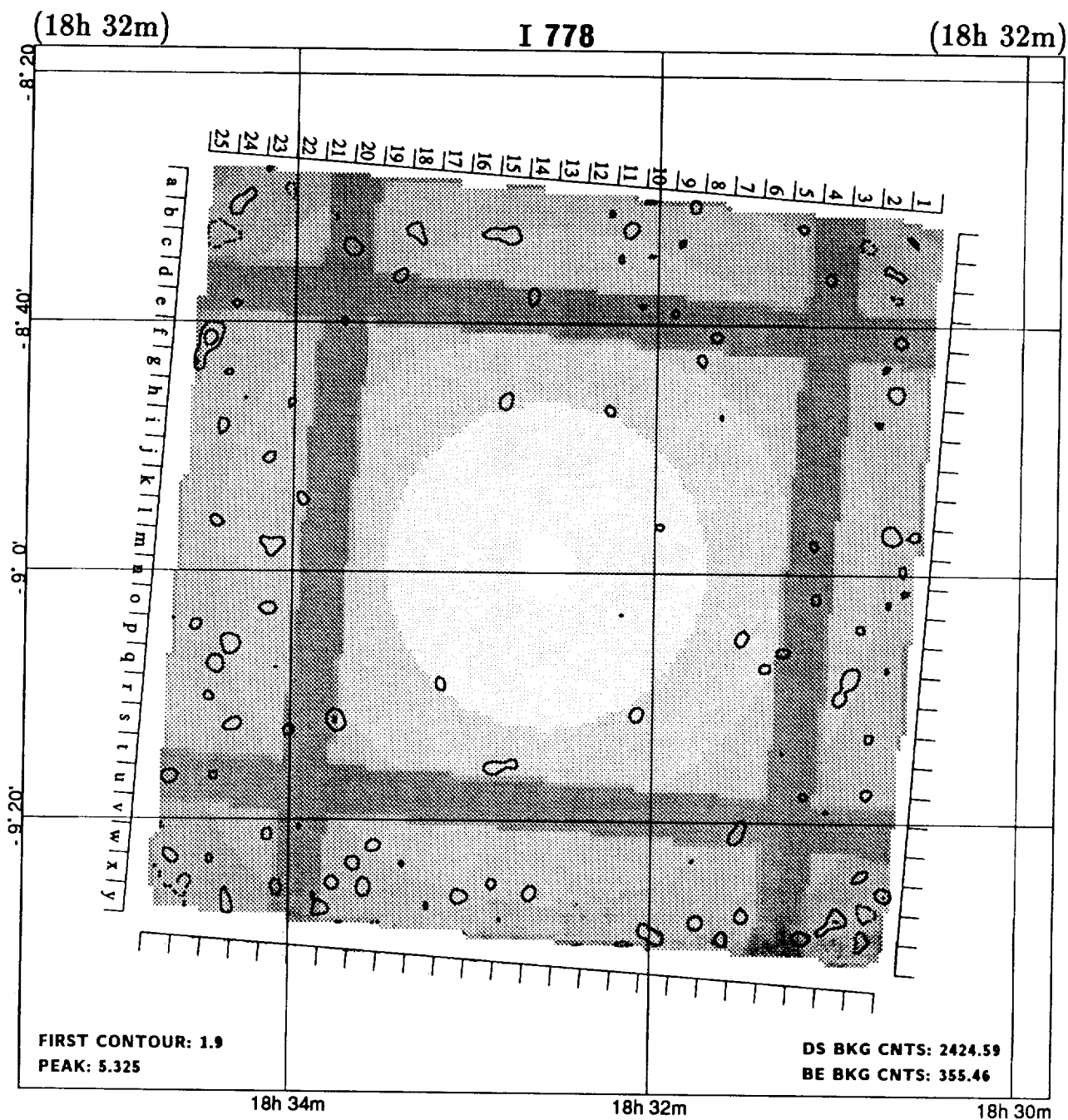
GSFC NEP SURVEY - FIELD # 157 6 4

FIELD CENTER: $18^{\text{h}}32^{\text{m}}30.9^{\text{s}}$ $68^{\circ}46'14''$ (B1950)
 $18^{\text{h}}32^{\text{m}}14.3^{\text{s}}$ $68^{\circ}48'36''$ (J2000)
 $l: 99.12$ $b: 26.88$

DATE: 1980/150 - 1980/150
 LIVETIME: 719.4s
 ROLL ANGLE: -29.8°

NH: $6.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4096	1	18 32 54.6	68 45 40	35	0.058	0.011	31.0	4.0	5.2	1.2	0	2.4	H	

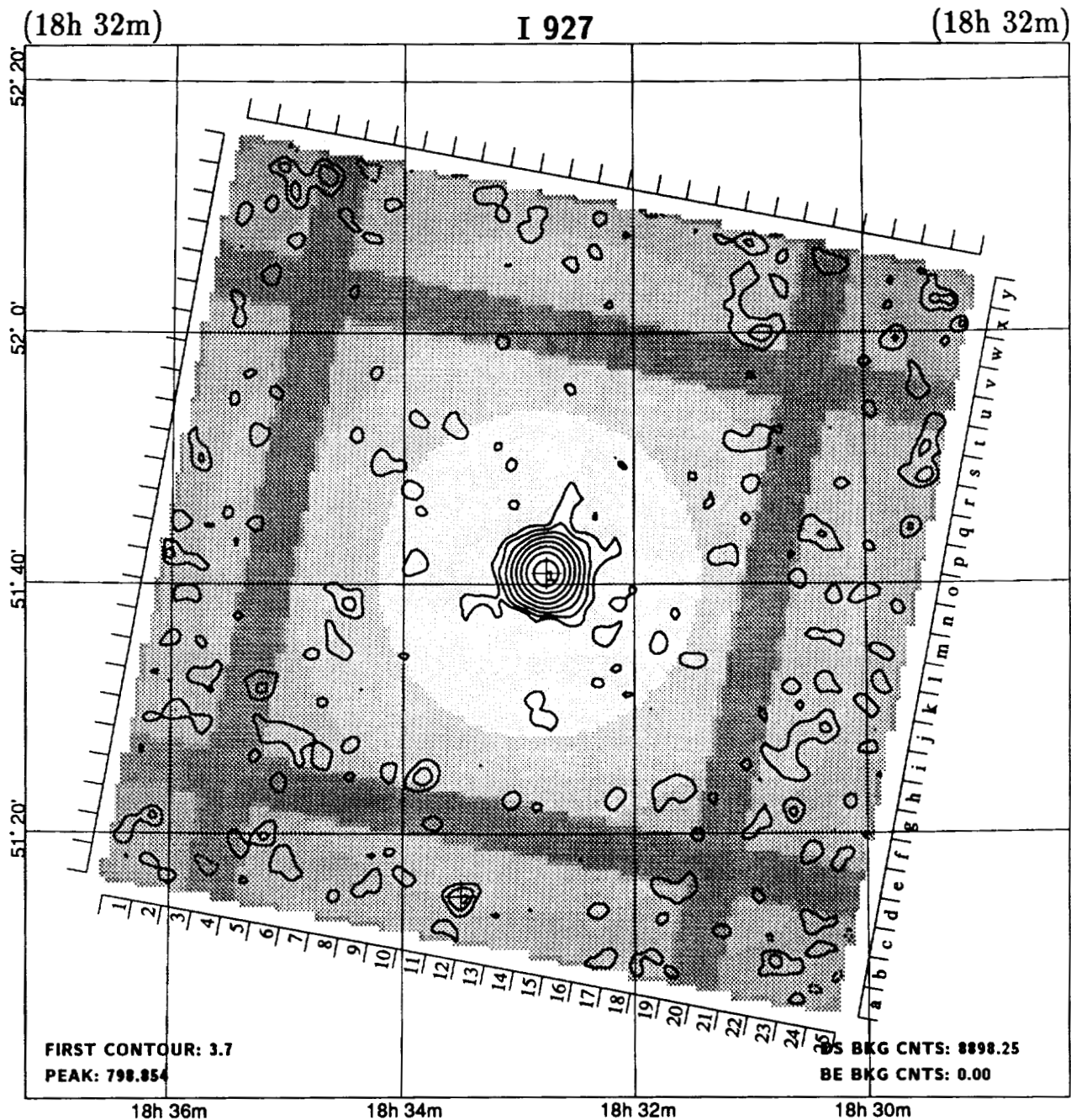


W41 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $18^h 32^m 37.8^s$ $-08^\circ 59' 59''$ (B1950)
 $18^h 35^m 22.0^s$ $-08^\circ 57' 31''$ (J2000)
 $l: 23.13$ $b: -0.54$

DATE: 1979/278 - 1979/278
 LIVETIME: 1964.7s
 ROLL ANGLE: 94.2°

NH: $1.5E+22$
 REF/ID:
 FIELD FLAGS:



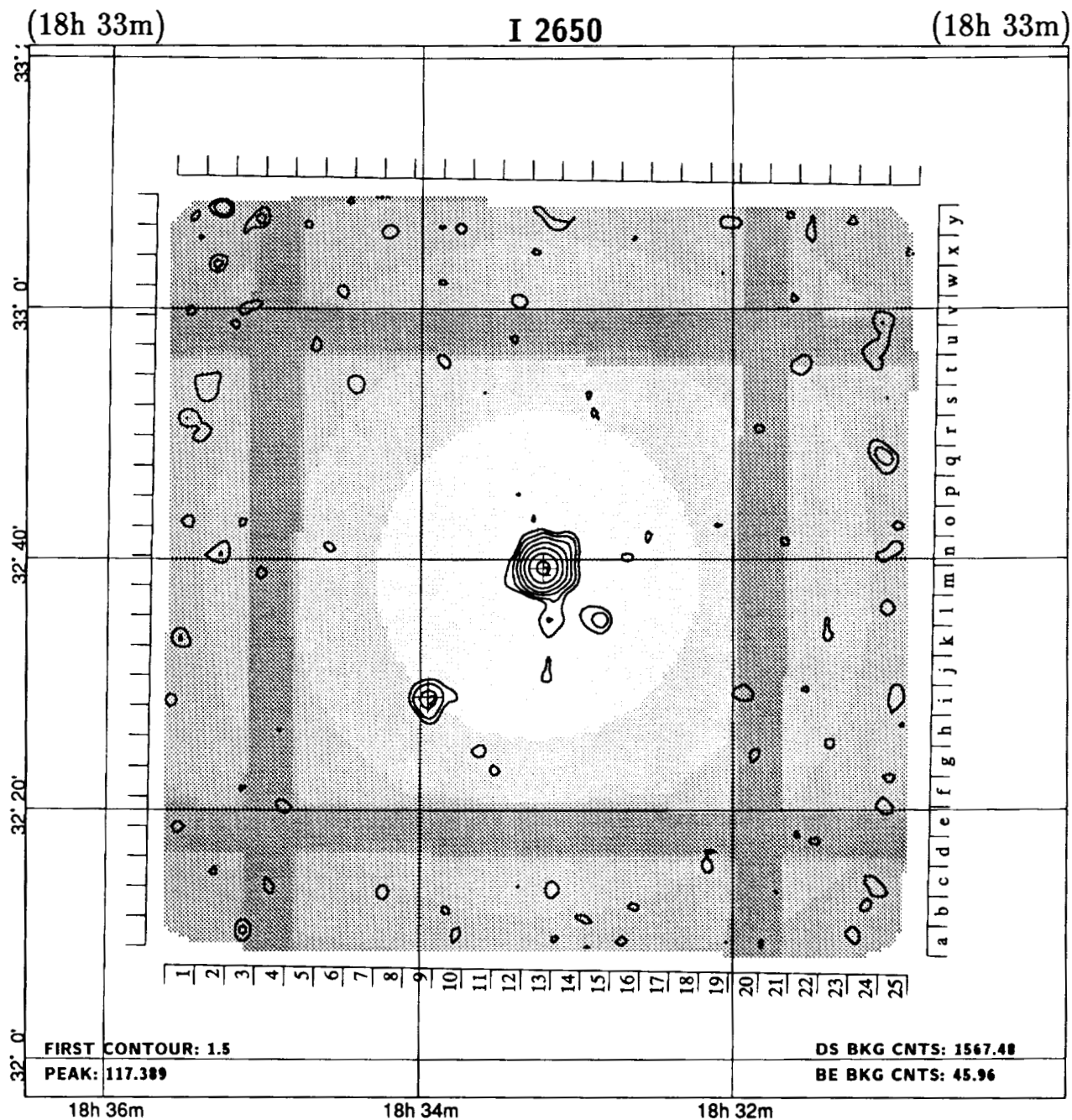
BY DRA STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $18^h 32^m 44.7^s$ $51^\circ 41' 01''$ (B1950)
 $18^h 33^m 54.8^s$ $51^\circ 43' 27''$ (J2000)
 $l: 80.56$ $b: 23.58$

DATE: 1980/ 98 - 1980/ 98
 LIVETIME: 7210.5s
 ROLL ANGLE: -79.4°

NH: $4.5E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4094	1L	18 32 45.6	51 40 53	31	0.556	0.013	2983.6	549.4	43.7	1.4	0	0.2		S
4099	2L	18 33 29.8	51 14 58	56	0.0099	0.0027	28.8	14.2	3.6	0.8	0	27.0		



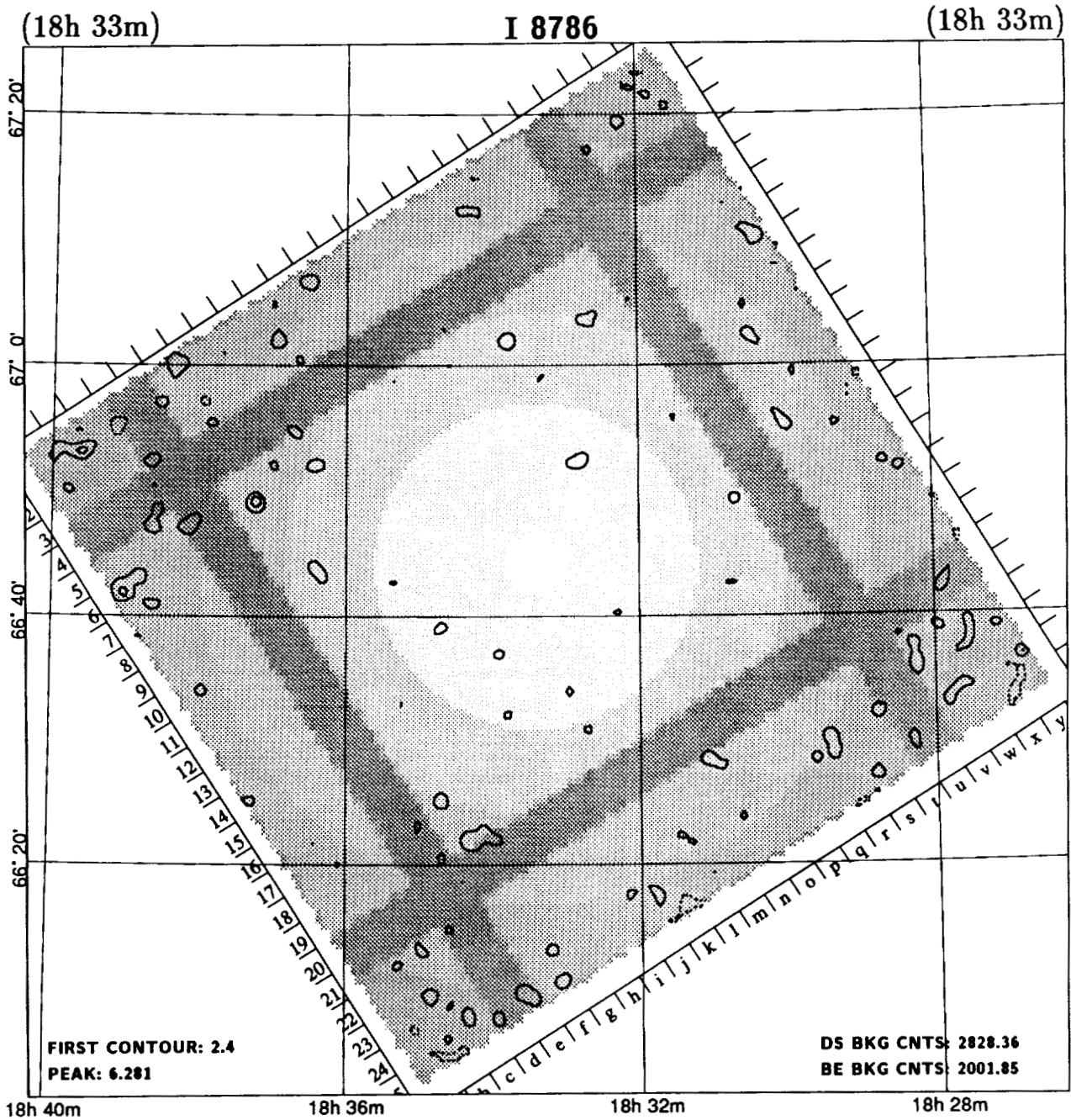
SEYFERT GALAXY SURVEY: 3C 302

FIELD CENTER: $18^{\text{h}}33^{\text{m}}11.8^{\text{s}}$ $32^{\circ}38'59''$ (B1950)
 $18^{\text{h}}35^{\text{m}}03.2^{\text{s}}$ $32^{\circ}41'28''$ (J2000)
 ℓ : 61.30 b : 17.44

DATE: 1979/ 86 - 1979/ 86
 LIVETIME: 1270.2s
 ROLL ANGLE: -89.3°

NH: $7.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4097	1	18 33 12.8	32 39 16	31	0.487	0.023	460.2	3.8	21.4	1.2	0	0.6	H	SY
4105	2	18 33 57.1	32 28 56	42	0.0338	0.0069	26.7	3.3	4.9	0.9	0	13.8	H	



GSFC NEP SURVEY - FIELD # 53 1 4

FIELD CENTER: $18^h 33^m 15.8^s$ $66^\circ 43' 44''$ (B1950)
 $18^h 33^m 15.7^s$ $66^\circ 46' 09''$ (J2000)
 $l: 96.86$ $b: 26.54$

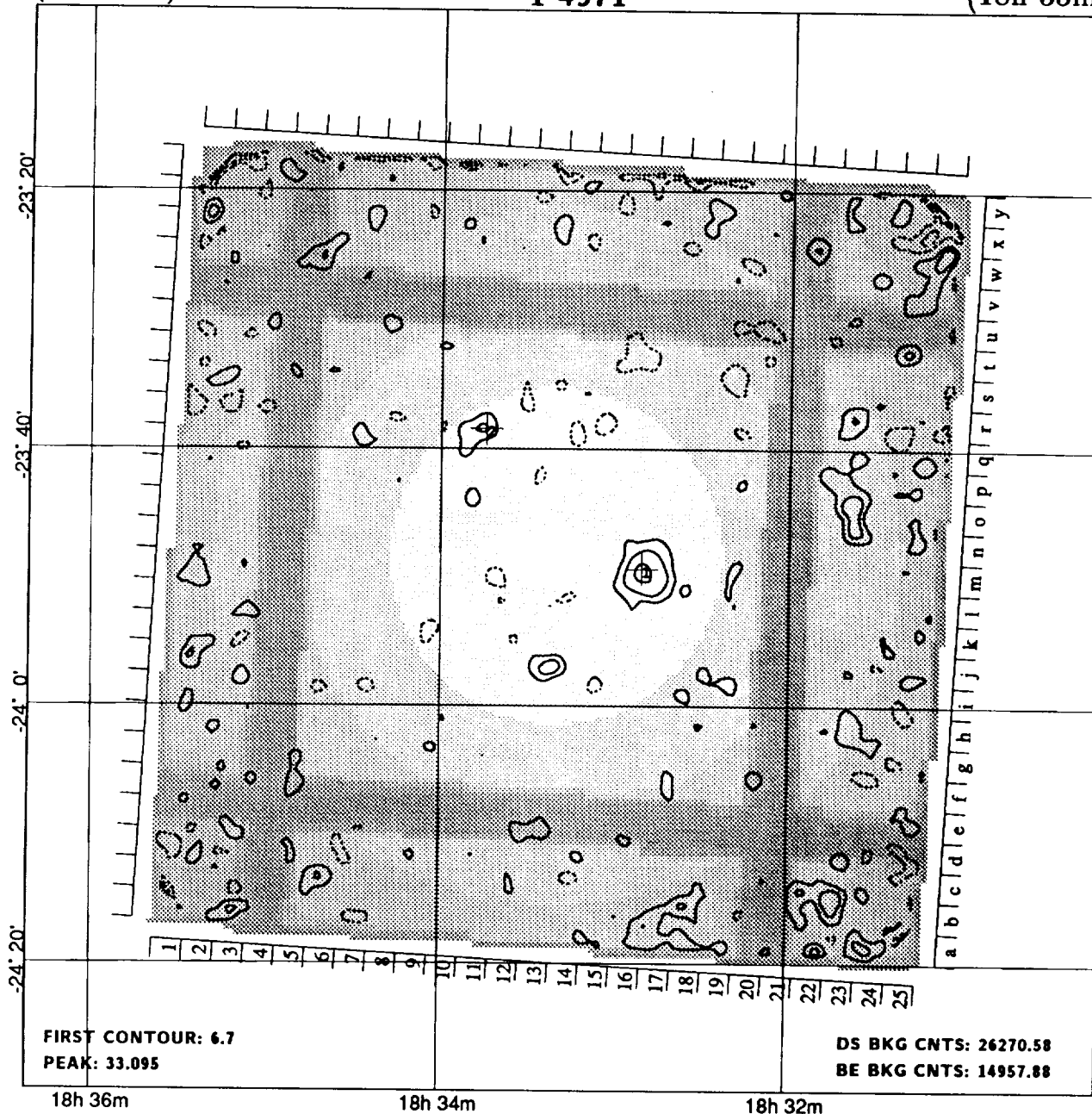
DATE: 1980/149 - 1980/149
 LIVETIME: 2291.9s
 ROLL ANGLE: -32.3°

NH: $6.0E+20$
 REF/ID:
 FIELD FLAGS:

(18h 33m)

I 4971

(18h 33m)



NGC6656, SEARCH FOR GLOBULAR CLUSTER WINDS

FIELD CENTER: $18^h 33^m 17.6^s$ $-23^\circ 47' 59''$ (B1950)
 $18^h 36^m 20.5^s$ $-23^\circ 45' 28''$ (J2000)
 l : 10.02 b : -7.47

DATE: 1980/ 96 - 1980/101
 LIVETIME: 21287.8s
 ROLL ANGLE: -86.9°

NH: $1.6E+21$
 REF/ID: GLB
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4095	1L	18 32 50.6	-23 49 21	38	0.0051	0.0013	75.7	169.3	3.7	1.6	0	6.3		GLB
4104	2L	18 33 44.5	-23 38 28	42	0.0042	0.0012	58.3	99.7	3.6	0.9	0	11.3		GLB

(18h 33m)

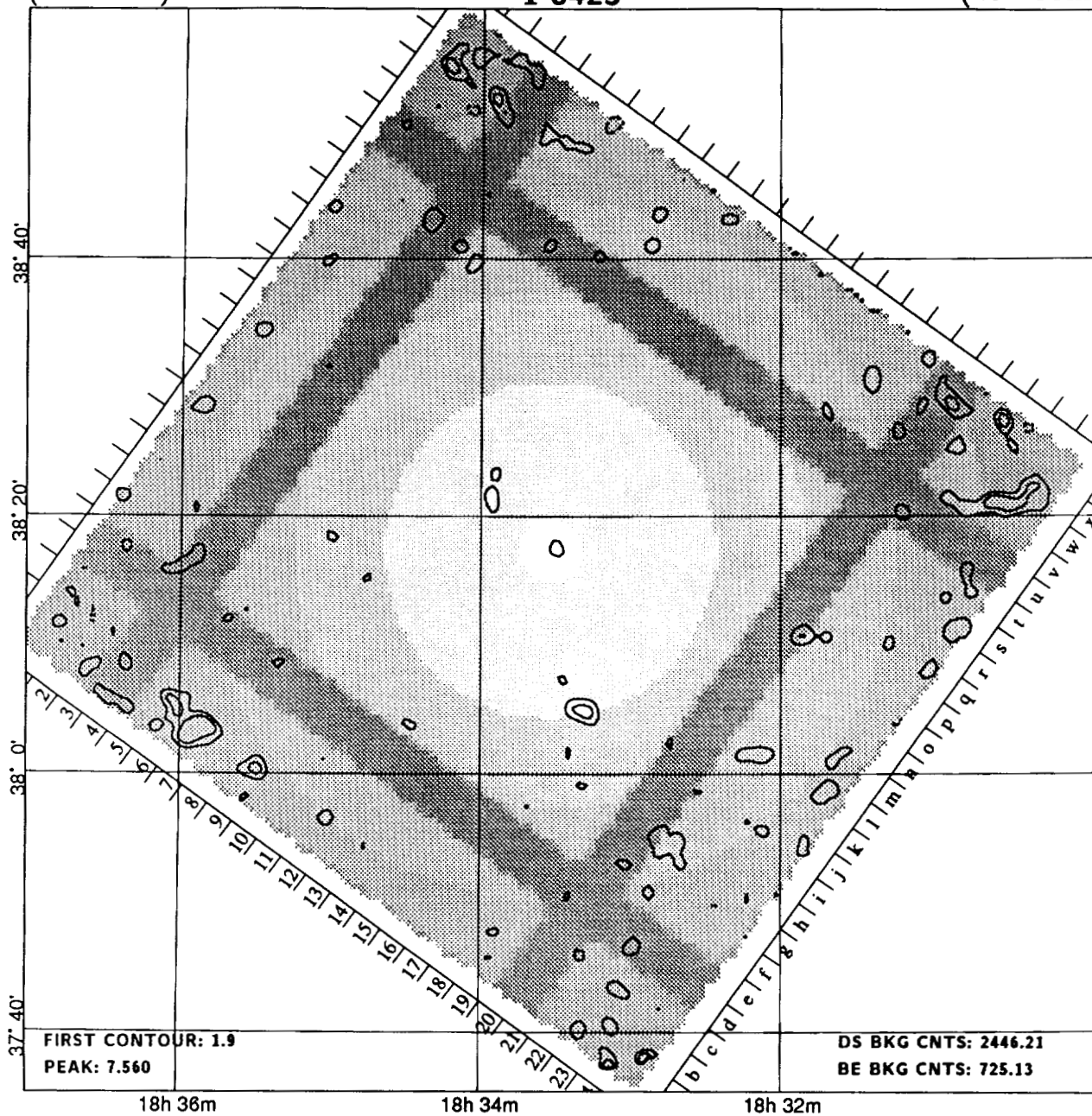


NH: 1.5E+22
REF/ID:
FIELD FLAGS:

(18h 33m)

I 8423

(18h 33m)



LL Lyr, CATAclysmic VARIABLES

FIELD CENTER: $18^{\text{h}}33^{\text{m}}27.9^{\text{s}}$ $38^{\circ}17'23''$ (B1950)
 $18^{\text{h}}35^{\text{m}}09.4^{\text{s}}$ $38^{\circ}19'53''$ (J2000)
 $l: 66.87$ $b: 19.41$

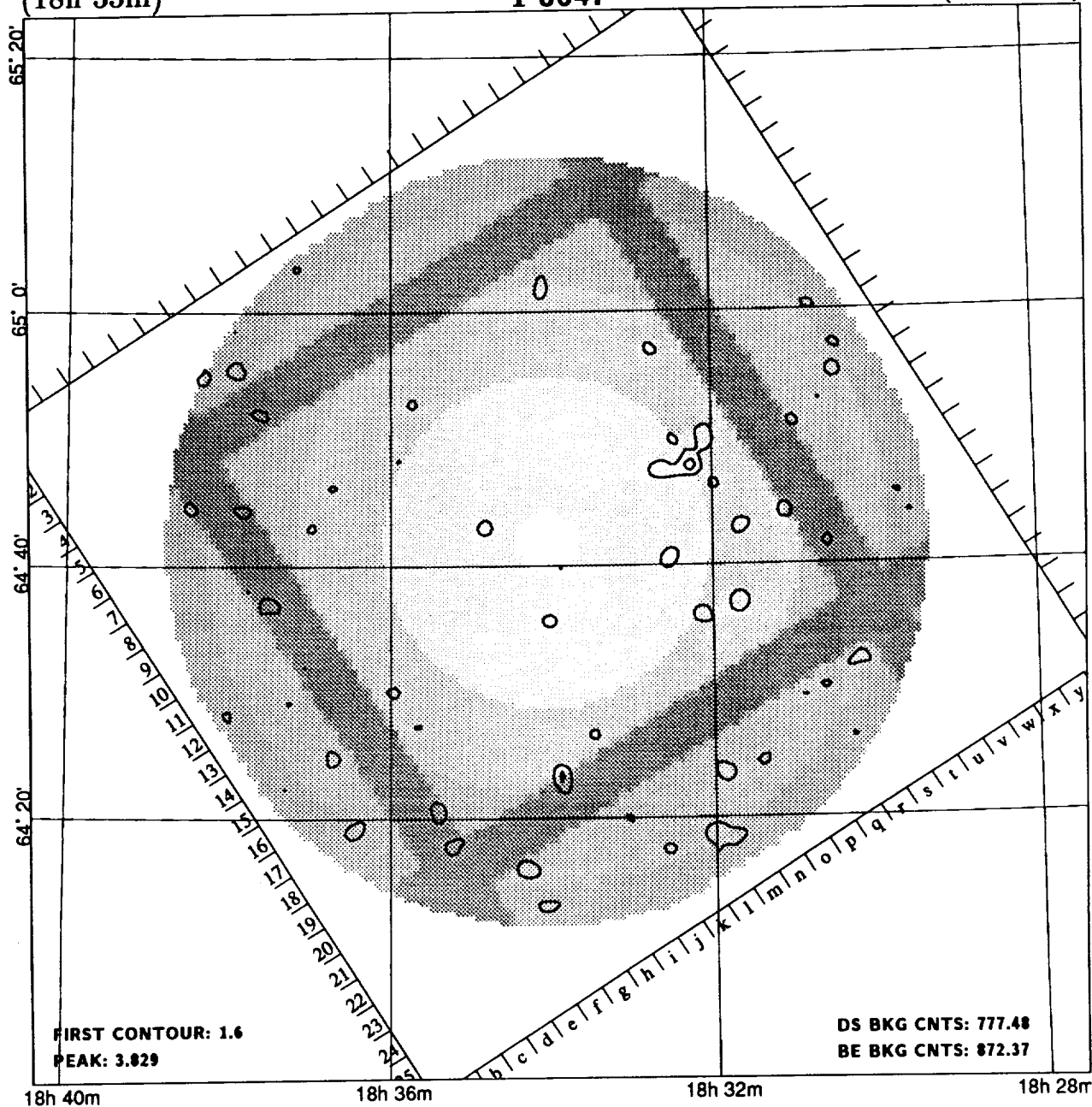
DATE: 1980/123 - 1980/123
 LIVETIME: 2053.4s
 ROLL ANGLE: -54.5°

NH: $4.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 33m)

I 8647

(18h 33m)

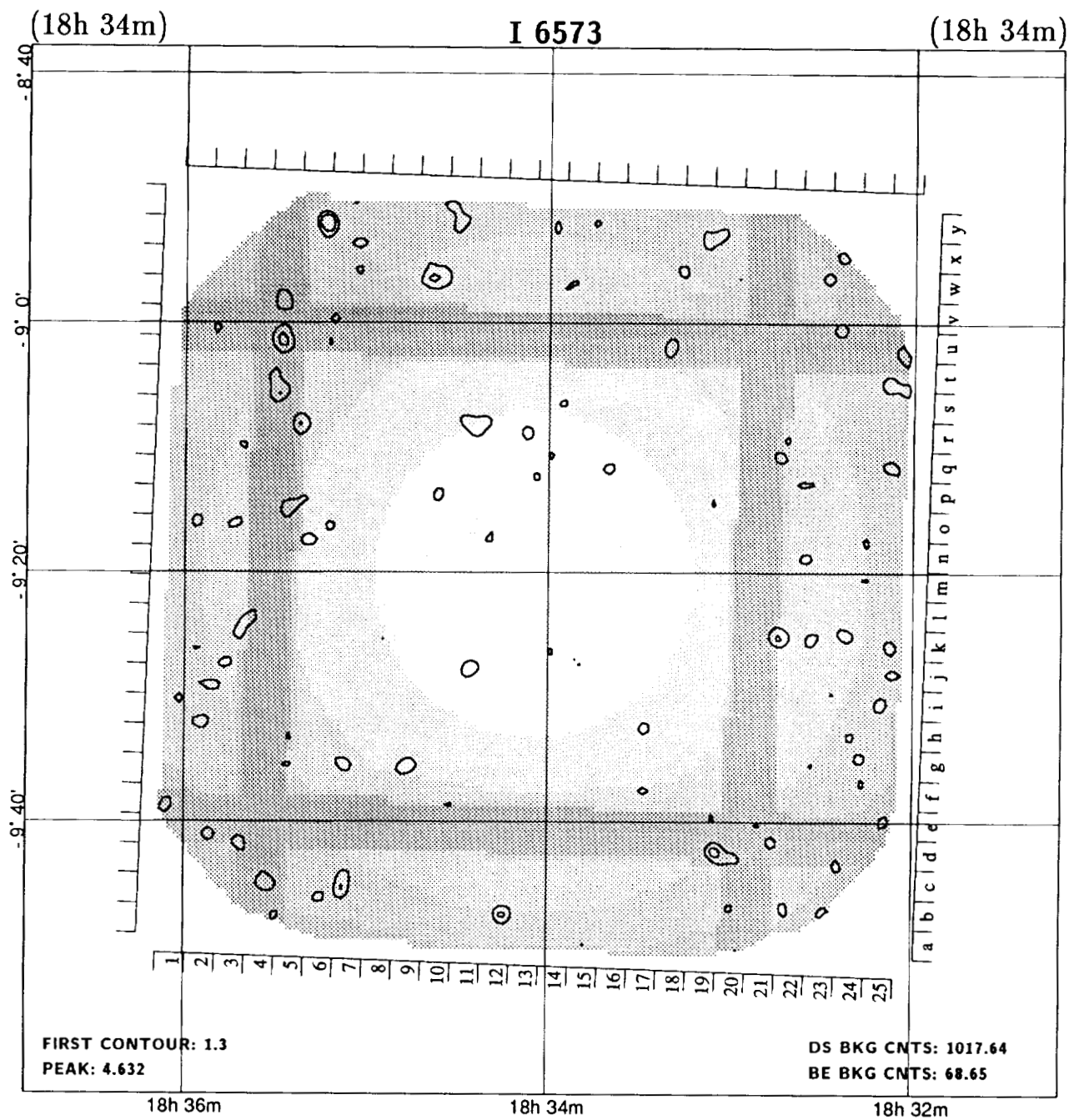


GSFC NEP SURVEY - FIELD # 153 6 0

FIELD CENTER: 18^h33^m55.6^s 64°41'36" (B1950)
18^h34^m09.5^s 64°44'05" (J2000)
ℓ: 94.63 b: 26.17

DATE: 1980/149 - 1980/149
LIVETIME: 630.0s
ROLL ANGLE: -32.4°

NH: 5.4E+20
REF/ID:
FIELD FLAGS: L



1834-0919, GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 34^m 01.7^s$ $-09^\circ 19' 58''$ (B1950)
 $18^h 36^m 46.3^s$ $-09^\circ 17' 24''$ (J2000)
 $l: 23.00$ $b: -1.00$

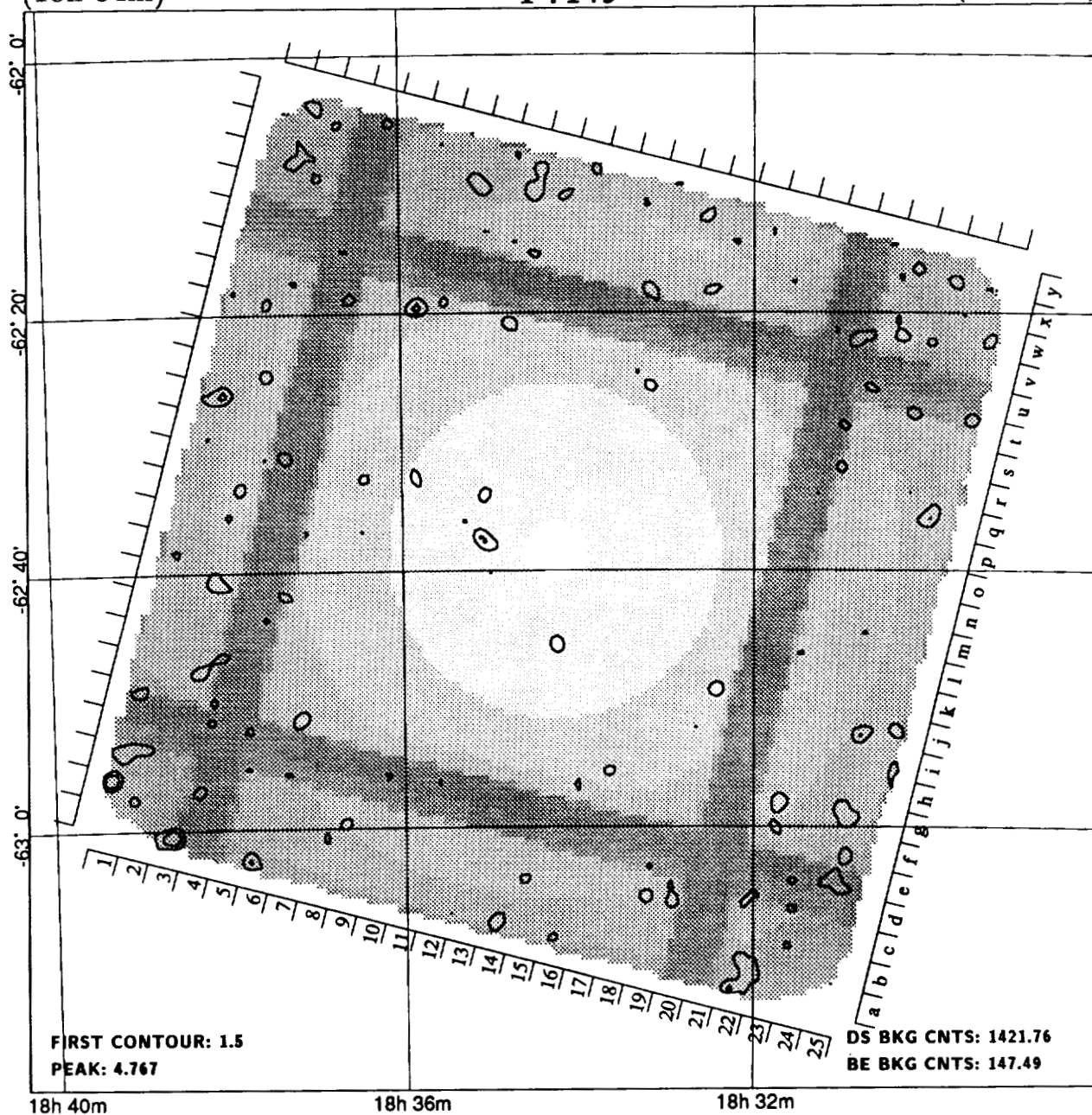
DATE: 1980/ 82 - 1980/ 82
LIVETIME: 854.2s
ROLL ANGLE: -88.2°

NH: $1.4E+22$
REF/ID:
FIELD FLAGS:

(18h 34m)

I 7149

(18h 34m)



H1834-626, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $18^{\text{h}}34^{\text{m}}09.5^{\text{s}}$ $-62^{\circ}38'23''$ (B1950)
 $18^{\text{h}}38^{\text{m}}50.6^{\text{s}}$ $-62^{\circ}35'44''$ (J2000)
 l : 332.76 b : -22.48

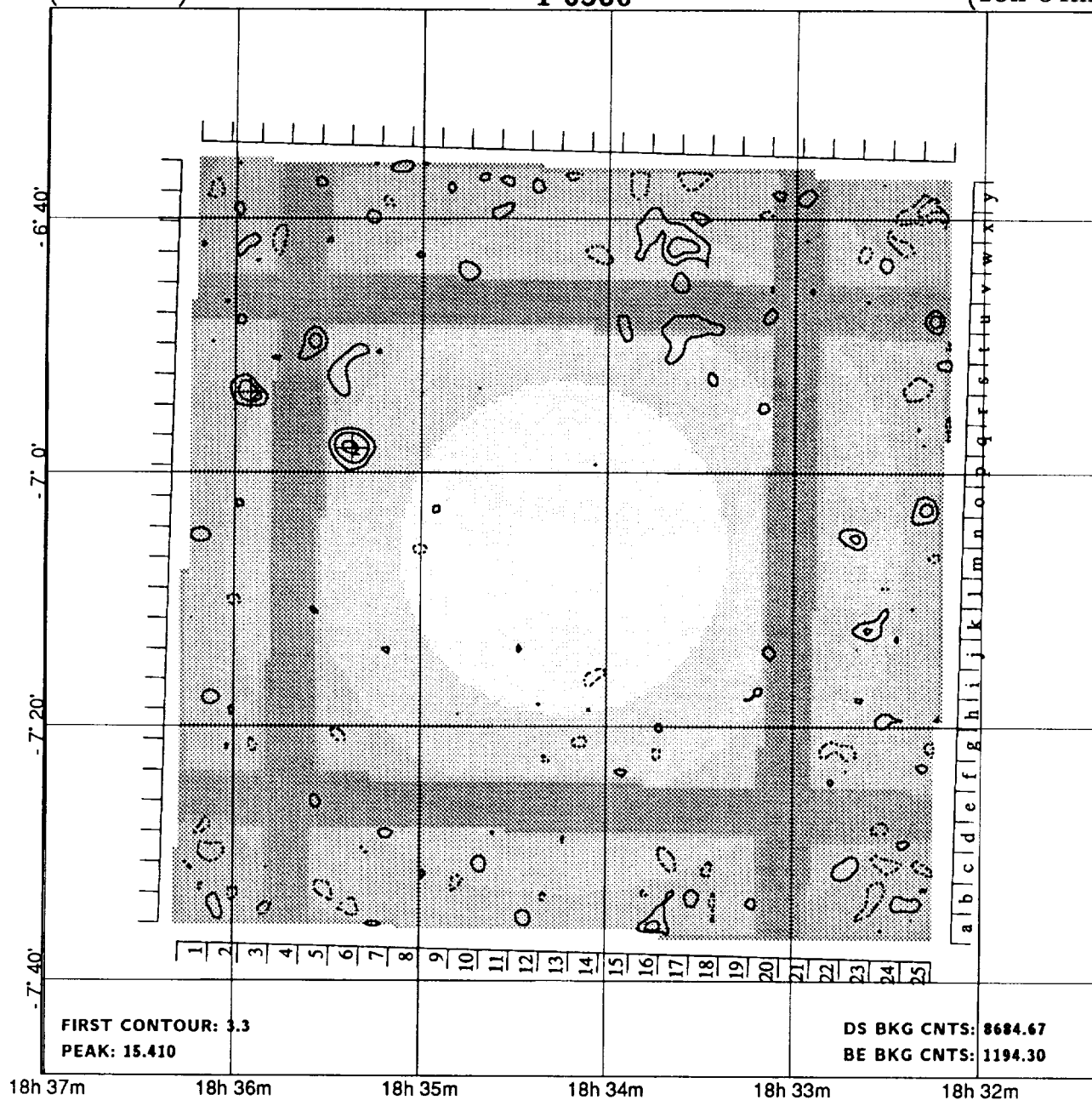
DATE: 1980/ 69 - 1980/ 69
LIVETIME: 1152.1s
ROLL ANGLE: -75.6°

NH: $6.8\text{E}+20$
REF/ID:
FIELD FLAGS:

(18h 34m)

I 6580

(18h 34m)

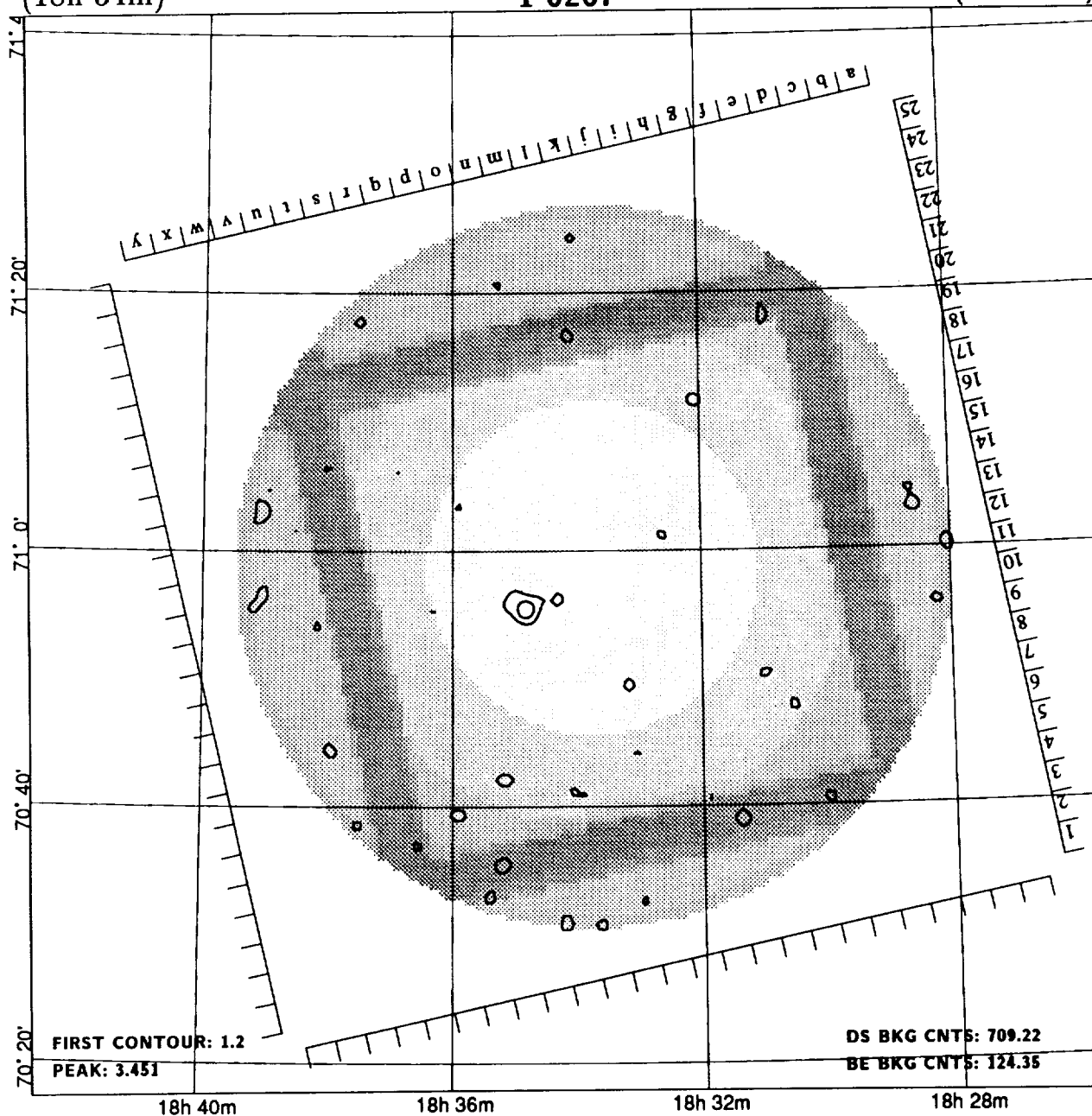


CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4109	1	18 35 22.4	-06 58 05	51	0.0132	51.0	14.0	6.3	0.9	0	19.3	H •
4111	2	18 35 55.1	-06 53 39	56	0.0081	22.6	14.4	3.7	0.8	400	28.1	H

(18h 34m)

I 6267

(18h 34m)



A 2308, COMPLETE SURVEY OF ABELL CLUSTERS

FIELD CENTER: $18^h 34^m 11.8^s$ $70^\circ 59' 59''$ (B1950)
 $18^h 33^m 33.5^s$ $71^\circ 02' 27''$ (J2000)
 l : 101.62 b : 26.99

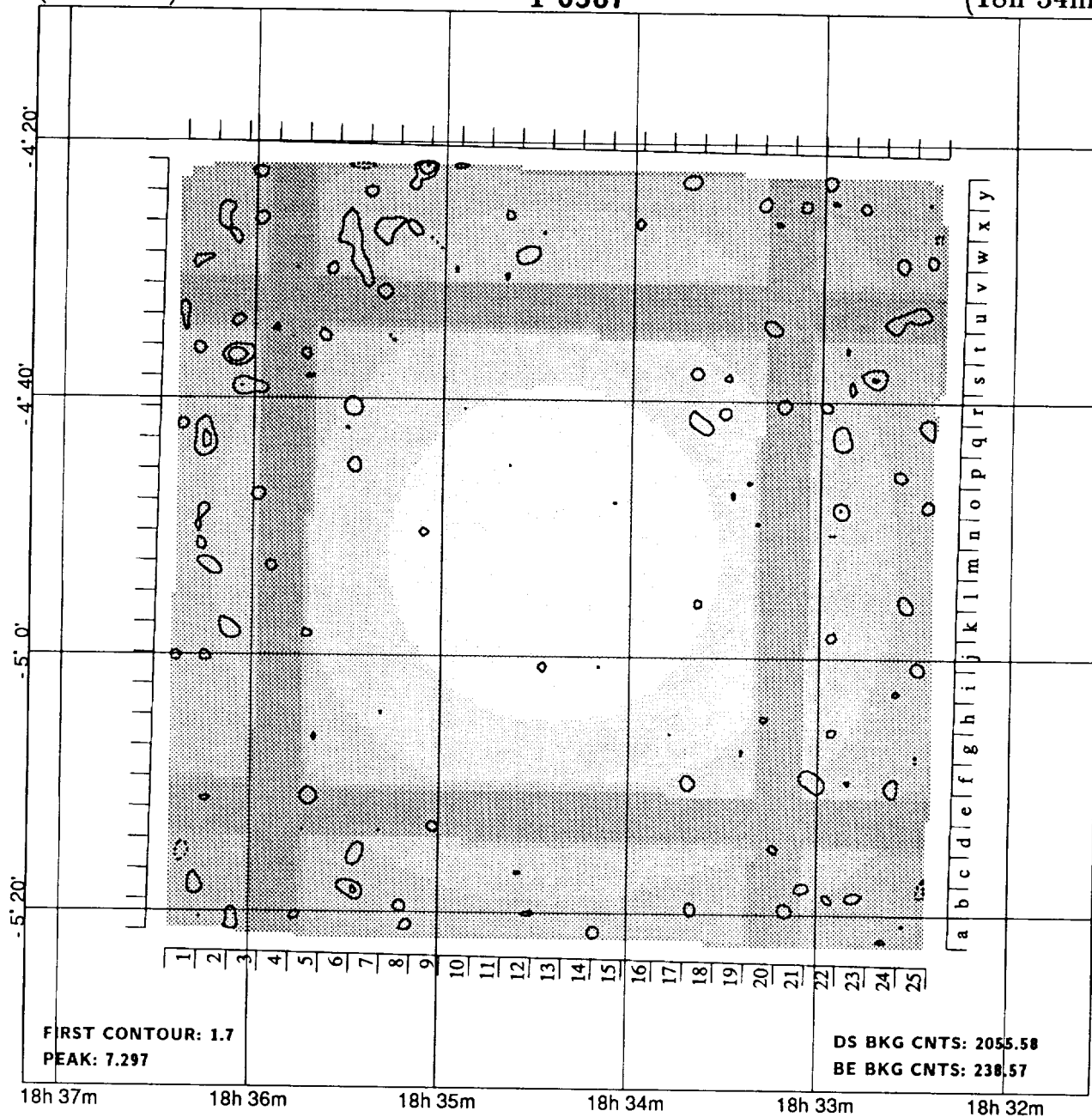
DATE: 1980/349 - 1980/349
 LIVETIME: 574.7s
 ROLL ANGLE: 167.5°

NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:

(18h 34m)

I 6587

(18h 34m)



FIELD CENTER: $18^h 34^m 21.6^s$ $-04^\circ 51' 42''$ (B1950)
 $18^h 37^m 01.0^s$ $-04^\circ 49' 07''$ (J2000)
 $l: 27.00$ $b: 1.00$

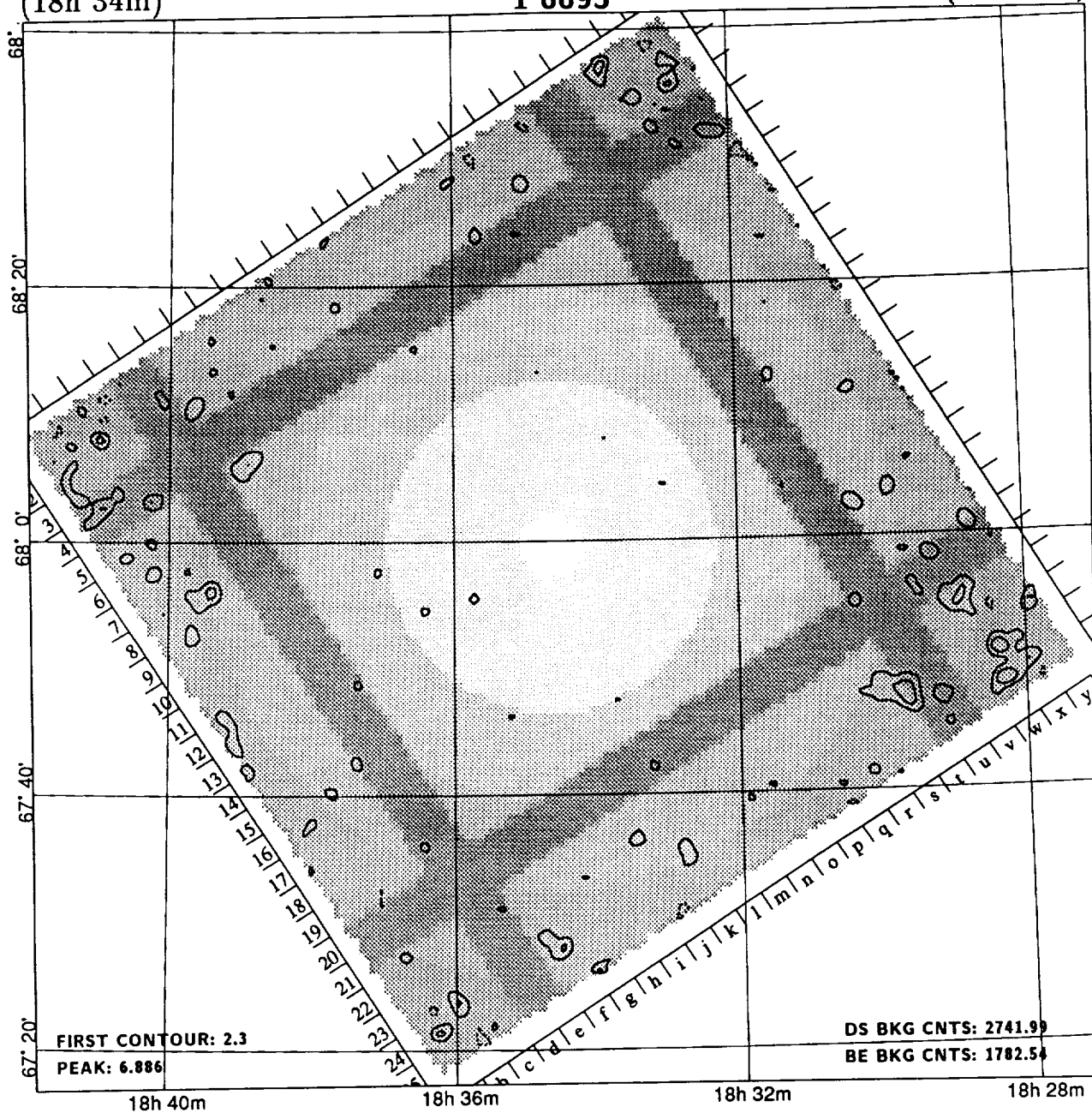
DATE: 1980/ 81 - 1980/ 81
 LIVETIME: 1725.5s
 ROLL ANGLE: -89.1°

NH: $1.2E+22$
 REF/ID:
 FIELD FLAGS:

(18h 34m)

I 8893

(18h 34m)



GSFC NEP SURVEY - FIELD # 160 0 7

FIELD CENTER: $18^{\text{h}} 34^{\text{m}} 28.7^{\text{s}}$ $67^{\circ} 59' 19''$ (B1950)
 $18^{\text{h}} 34^{\text{m}} 19.0^{\text{s}}$ $68^{\circ} 01' 49''$ (J2000)
 $l: 98.27$ $b: 26.60$

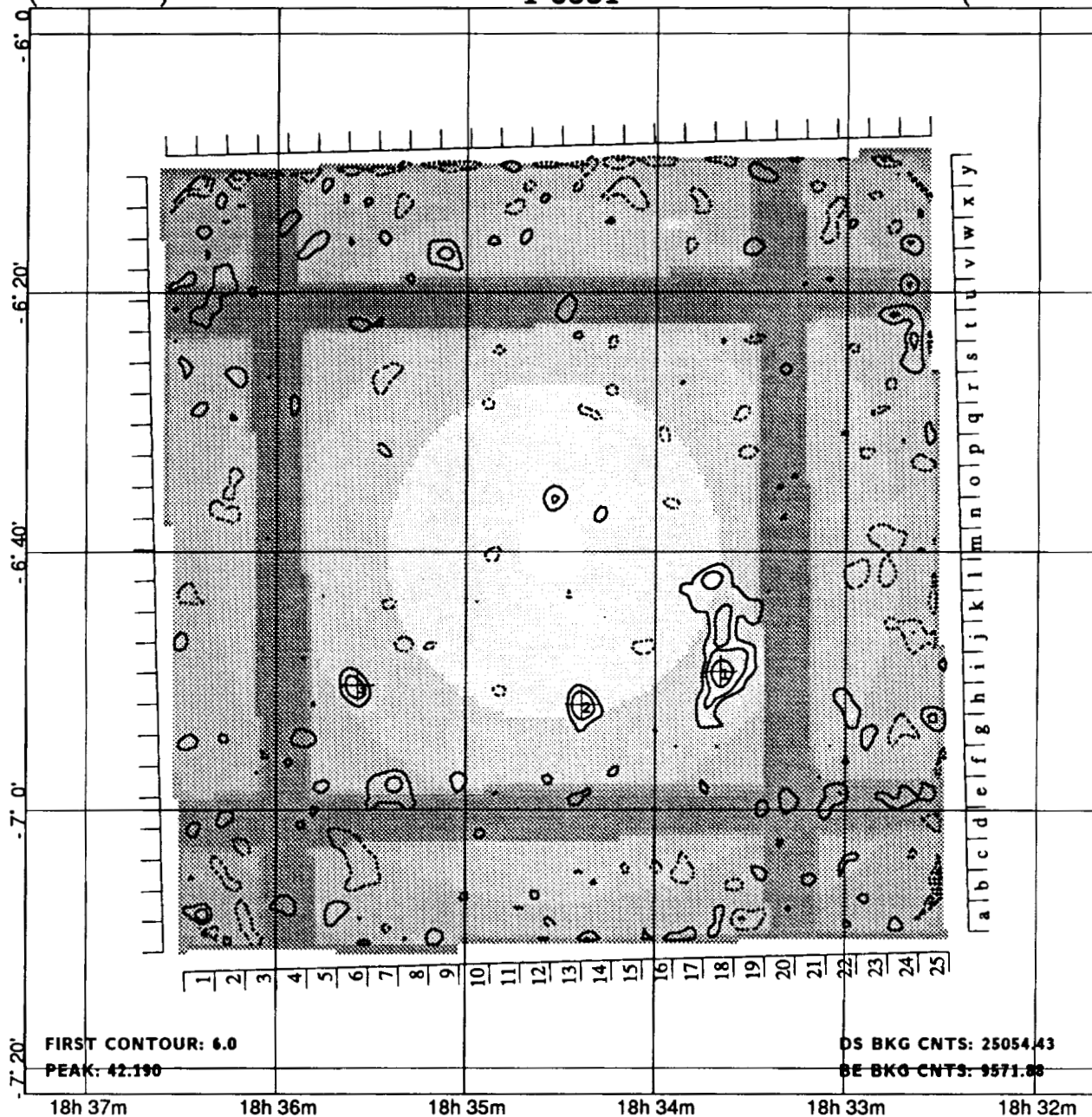
DATE: 1980/150 - 1980/150
 LIVETIME: 2221.9s
 ROLL ANGLE: -32.6°

NH: $6.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(18h 34m)

I 8331

(18h 34m)



FAR INFRARED SOURCE W42 W/POSSIBLE OB ASSC HIDDEN BY DUST

FIELD CENTER: $18^h 34^m 29.8^s -06^\circ 40' 00''$ (B1950)
 $18^h 37^m 11.2^s -06^\circ 37' 24''$ (J2000)
 $l: 25.42 \quad b: 0.13$

DATE: 1981/ 71 - 1981/ 72
 LIVETIME: 20302.3s
 ROLL ANGLE: -91.5°

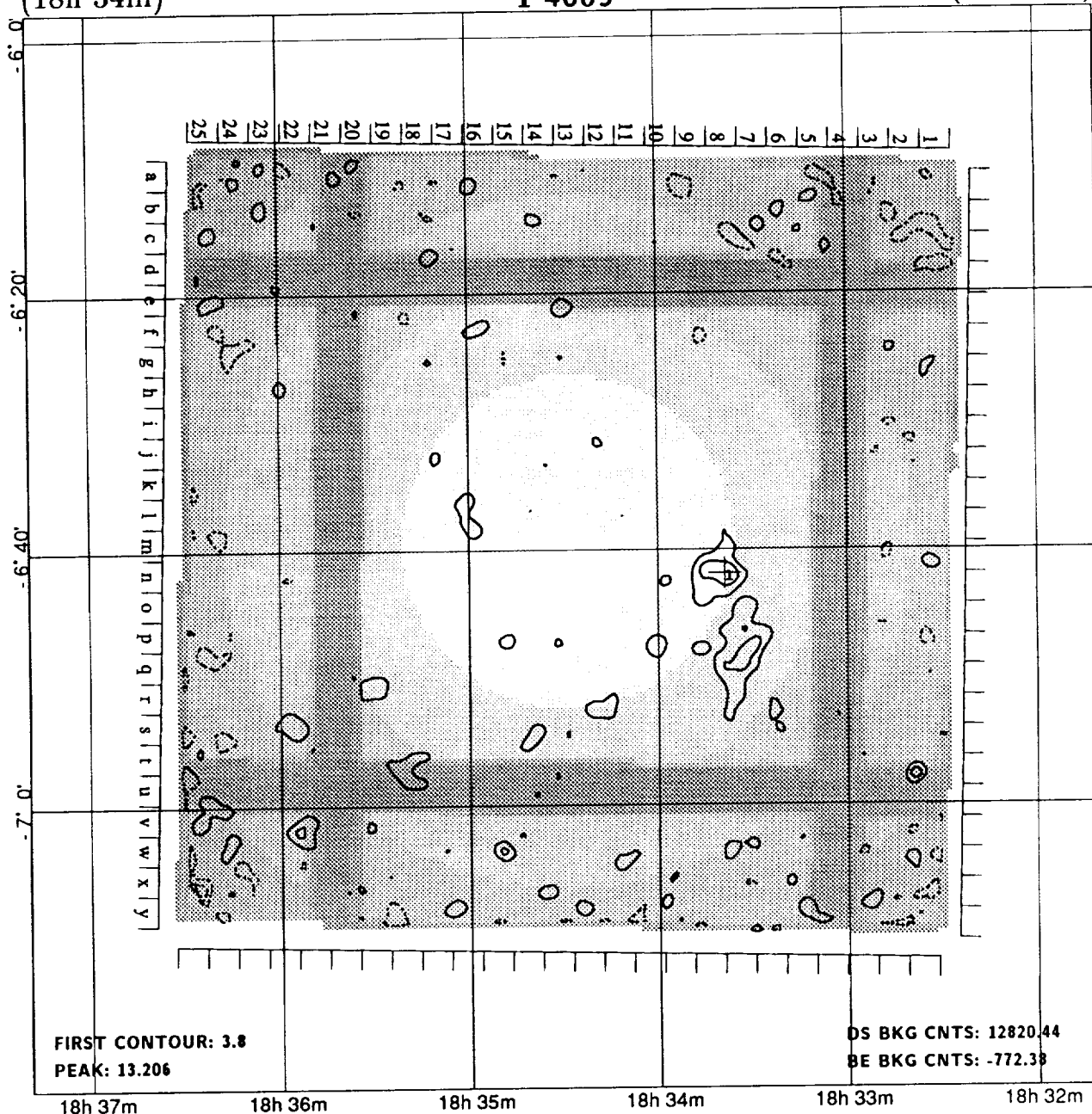
NH: $1.4E+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4103	1L	18 33 39.4	-06 49 19	48	0.0068	0.0014	79.5	101.5	4.6	2.6	0	15.6		
4106	2L	18 34 23.2	-06 51 51	41	0.0058	0.0012	74.9	77.1	4.8	0.8	0	11.8		
4110	3L	18 35 34.4	-06 50 23	51	0.0052	0.0012	56.4	61.6	4.1	0.7	0	19.1		

(18h 34m)

I 4609

(18h 34m)



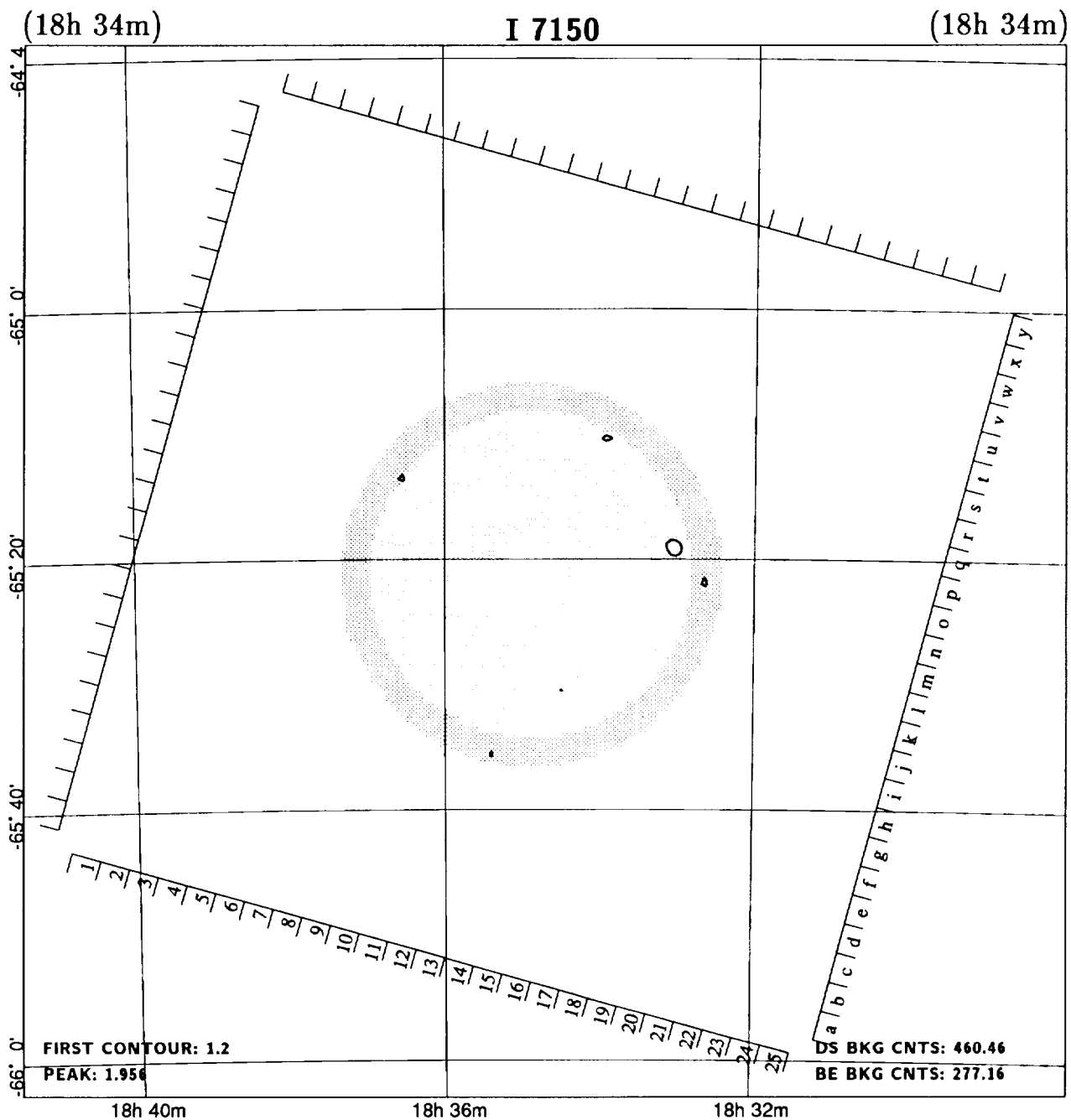
FAR INFRA RED SOURCE, POSSIBLE OB ASSOCIATION HIDDEN BY DUST

FIELD CENTER: $18^h 34^m 29.8^s$ $-06^\circ 39' 59''$ (B1950)
 $18^h 37^m 11.2^s$ $-06^\circ 37' 23''$ (J2000)
 $l: 25.42$ $b: 0.13$

DATE: 1979/266 - 1979/269
 LIVETIME: 10388.8s
 ROLL ANGLE: 91.2°

NH: $1.4E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4102	1	18 33 38.7	-06 41 51	42	0.0066	0.0013	43.3	24.7	5.2	1.6	0	12.8	H

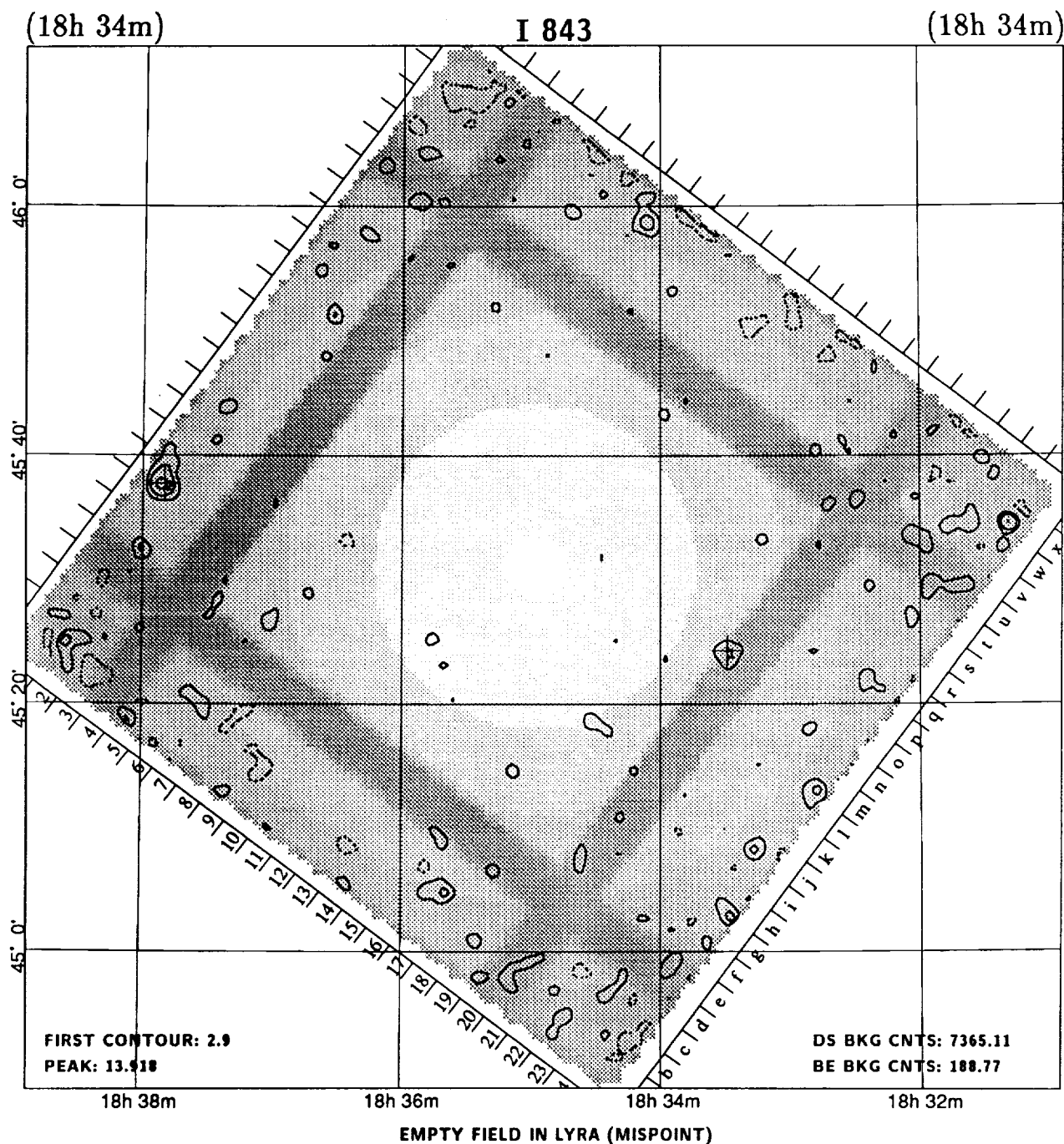


H1834-653, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $18^h 34^m 43.0^s$ $-65^\circ 20' 59''$ (B1950)
 $18^h 39^m 40.4^s$ $-65^\circ 18' 17''$ (J2000)
 $l: 329.95$ $b: -23.28$

DATE: 1980/ 69 - 1980/ 69
 LIVETIME: 373.1s
 ROLL ANGLE: -74.5°

NH: $6.5E+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $18^{\text{h}}34^{\text{m}}53.7^{\text{s}}$ $45^{\circ}30'59''$ (B1950)
 $18^{\text{h}}36^{\text{m}}20.3^{\text{s}}$ $45^{\circ}33'34''$ (J2000)
 $l: 74.26$ $b: 21.51$

DATE: 1980/126 - 1980/127
 LIVETIME: 5968.1s
 ROLL ANGLE: -53.3°

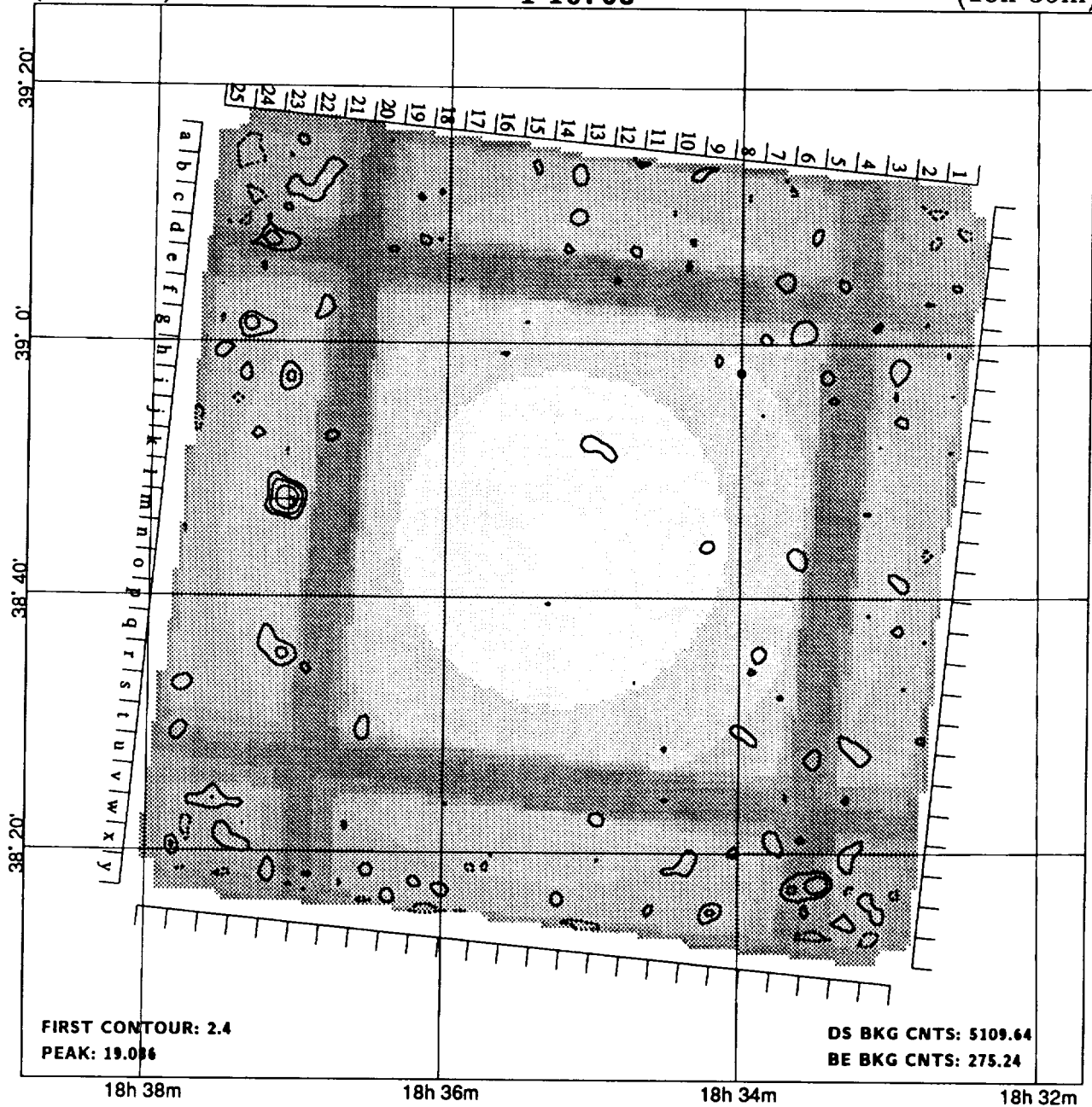
NH: $5.9\text{E}+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4098	1	18 33 29.0	45 24 15	57	*0.0061	0.0017	20.3	11.7	3.6	0.6	1007	16.3		
4117	2	18 37 50.0	45 37 43	55	0.0110	0.0029	22.0	12.0	3.8	1.0	300	31.7	H	

(18h 35m)

I 10768

(18h 35m)



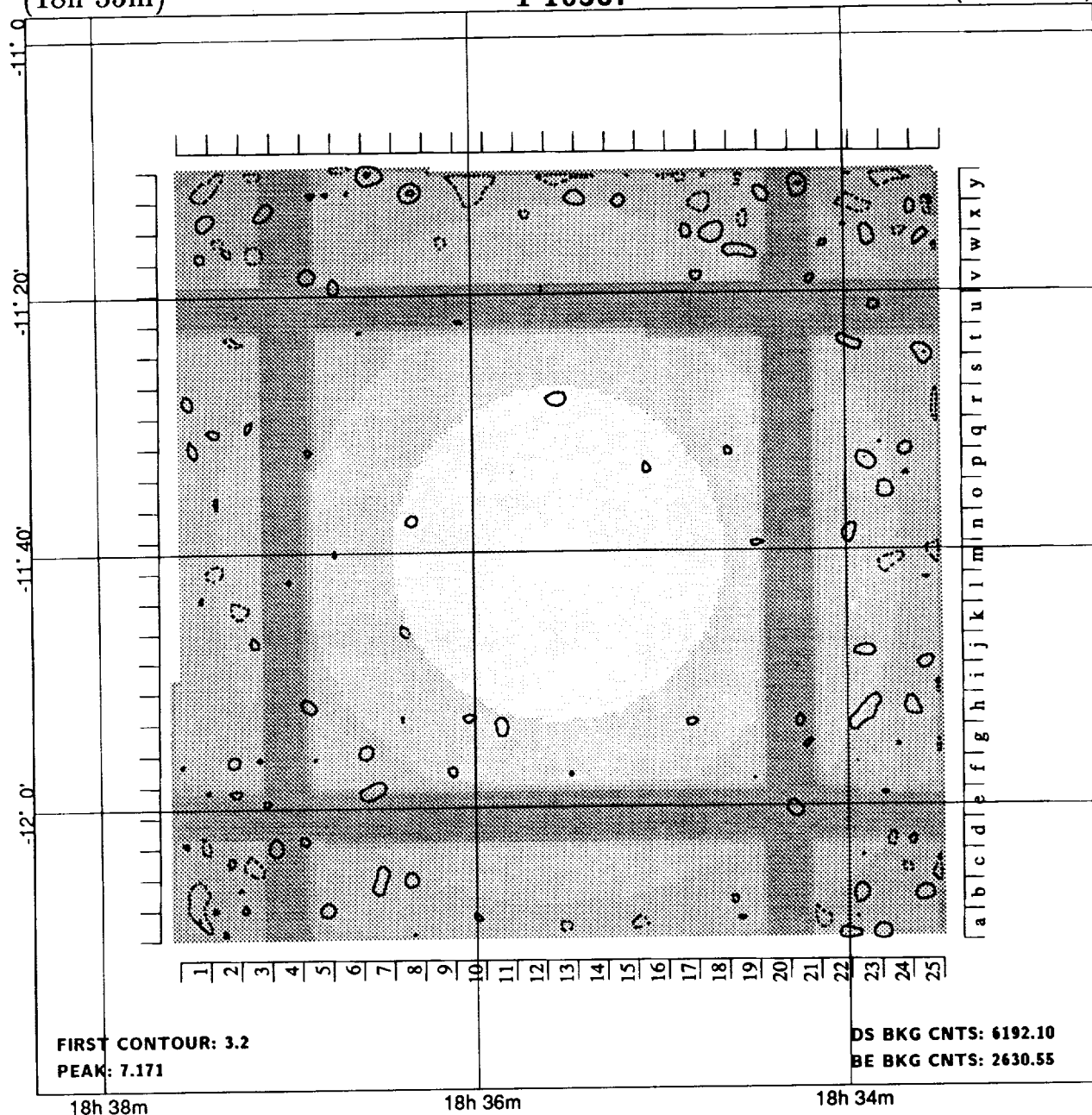
FIELD CENTER: $18^{\text{h}}35^{\text{m}}14.5^{\text{s}}$ $38^{\circ}44'08''$ (B1950)
 $18^{\text{h}}36^{\text{m}}55.3^{\text{s}}$ $38^{\circ}46'45''$ (J2000)
 $l: 67.44$ $b: 19.24$

DATE: 1979/281 - 1979/282
 LIVETIME: 4140.5s
 ROLL ANGLE: 95.6°

NH: $5.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4115	1	18 37 04.2	38 47 37	50	0.0228	0.0037	45.2	9.8	6.1	0.9	200	21.8	H

(18h 35m)

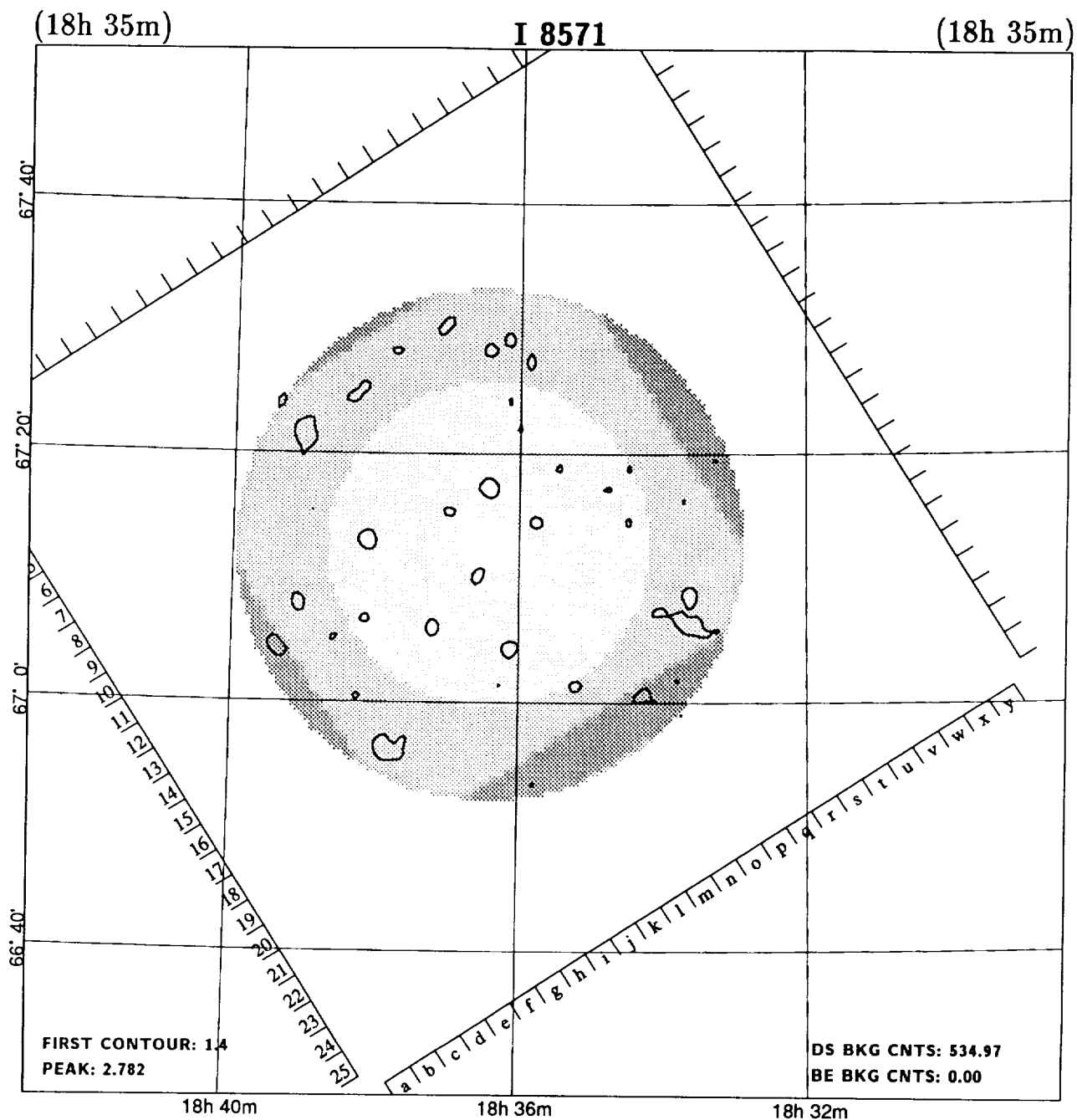


HD 168206

FIELD CENTER: $18^h 35^m 30.0^s$ $-11^\circ 39' 59''$ (B1950)
 $18^h 38^m 17.3^s$ $-11^\circ 37' 19''$ (J2000)
 ℓ : 21.10 b : -2.40

DATE: 1981/ 72 - 1981/ 72
LIVETIME: 5017.6s
ROLL ANGLE: -89.7°

NH: 9.3E+21
REF/ID:
FIELD FLAGS: L

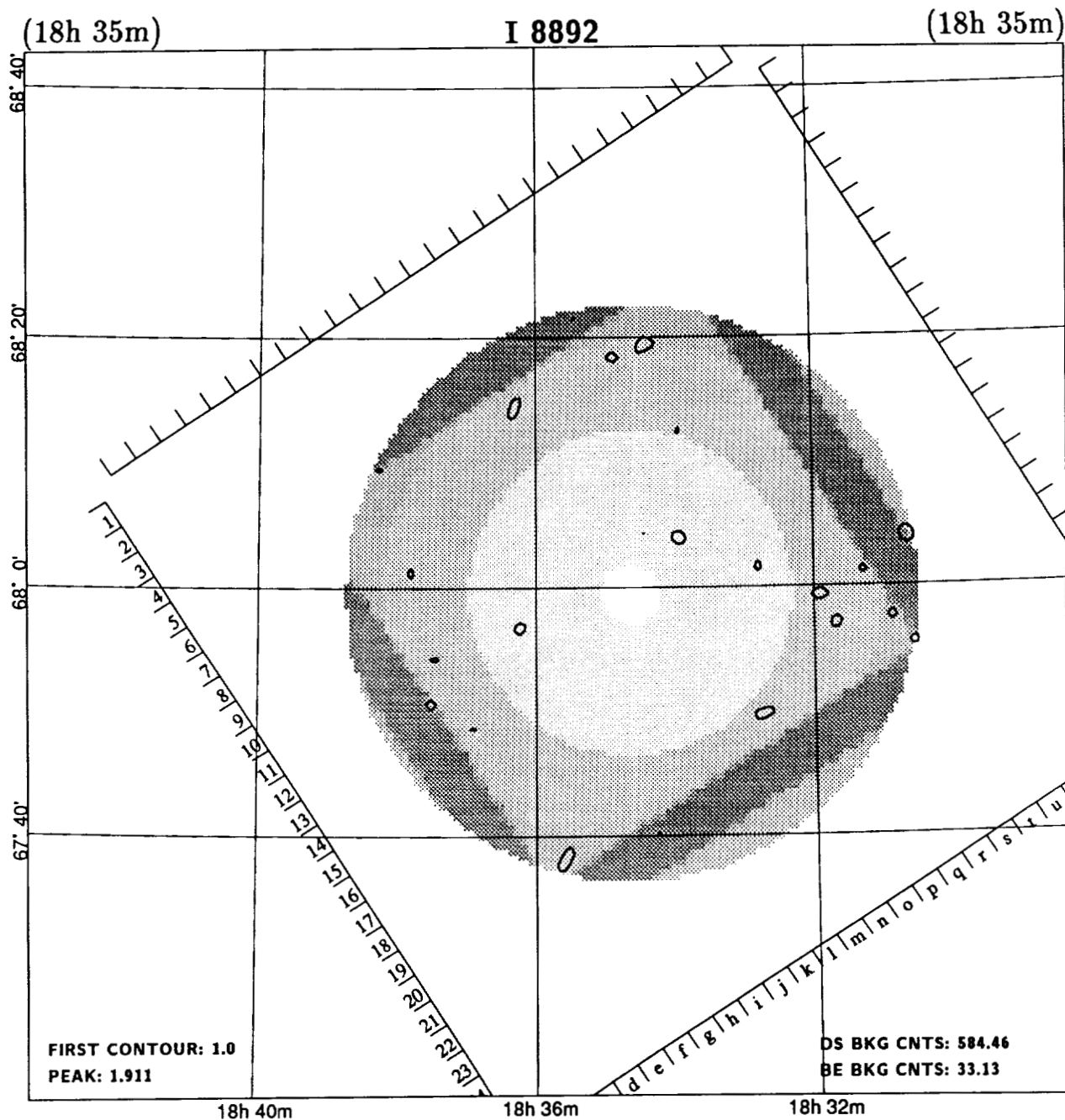


GSFC NEP SURVEY - FIELD # 77 4 -1

FIELD CENTER: $18^h 35^m 36.9^s$ $67^\circ 10' 29''$ (B1950)
 $18^h 35^m 33.7^s$ $67^\circ 13' 04''$ (J2000)
 $l: 97.39$ $b: 26.38$

DATE: 1980/147 - 1980/147
 LIVETIME: 433.5s
 ROLL ANGLE: -32.7°

NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS: L



GSFC NEP SURVEY - FIELD # 159 1 7

FIELD CENTER: $18^h 35^m 50.6^s$ $68^\circ 01' 20''$ (B1950)
 $18^h 35^m 40.7^s$ $68^\circ 03' 56''$ (J2000)
 $l: 98.33$ $b: 26.48$

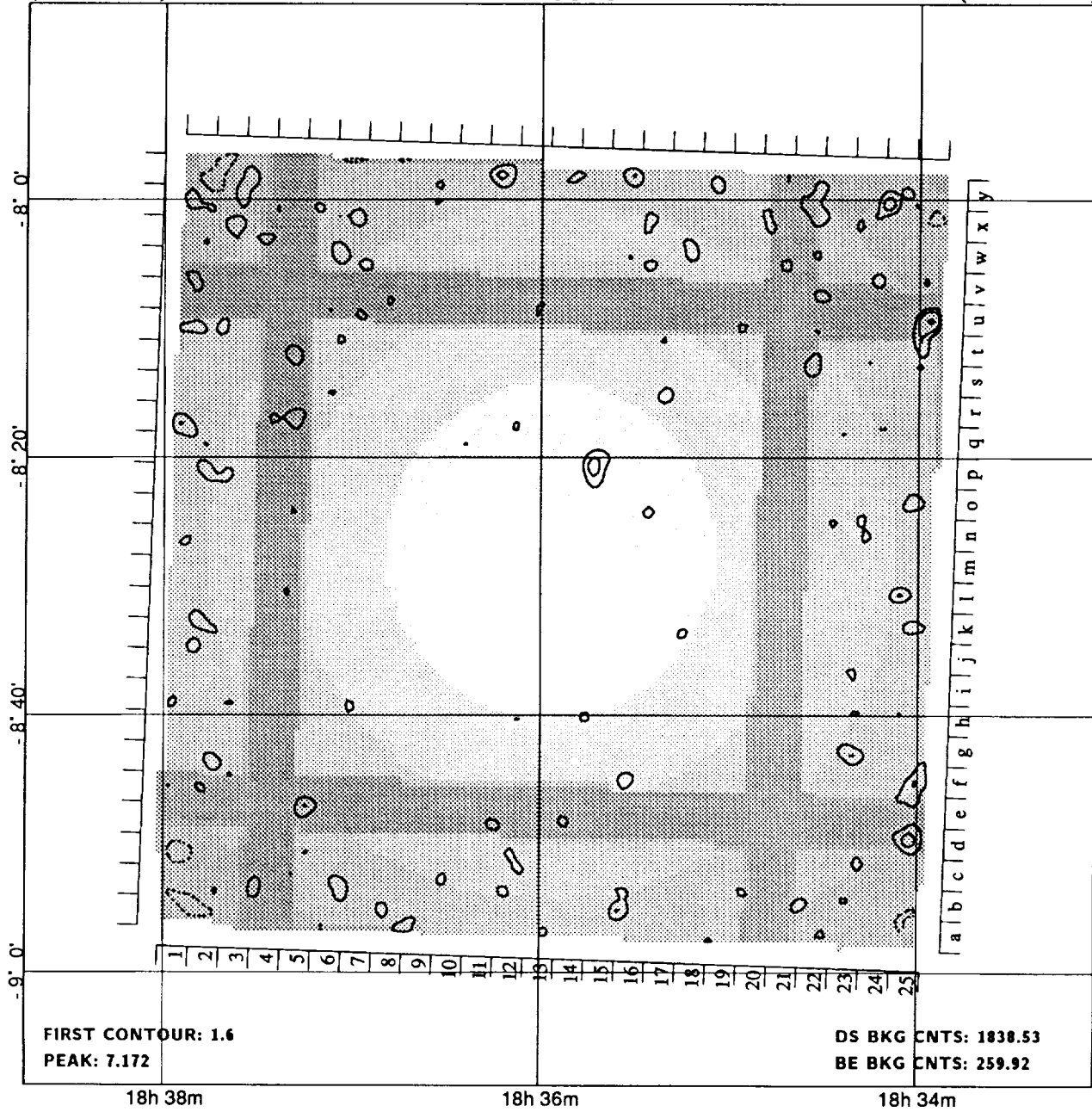
DATE: 1980/149 - 1980/149
 LIVETIME: 473.6s
 ROLL ANGLE: -32.9°

NH: $6.1E+20$
 REF/ID:
 FIELD FLAGS:

(18h 35m)

I 6576

(18h 35m)



FIELD CENTER: $18^h 35^m 54.0^s$ $-08^\circ 26' 48''$ (B1950)
 $18^h 38^m 37.5^s$ $-08^\circ 24' 06''$ (J2000)
 $l: 24.00$ $b: -1.00$

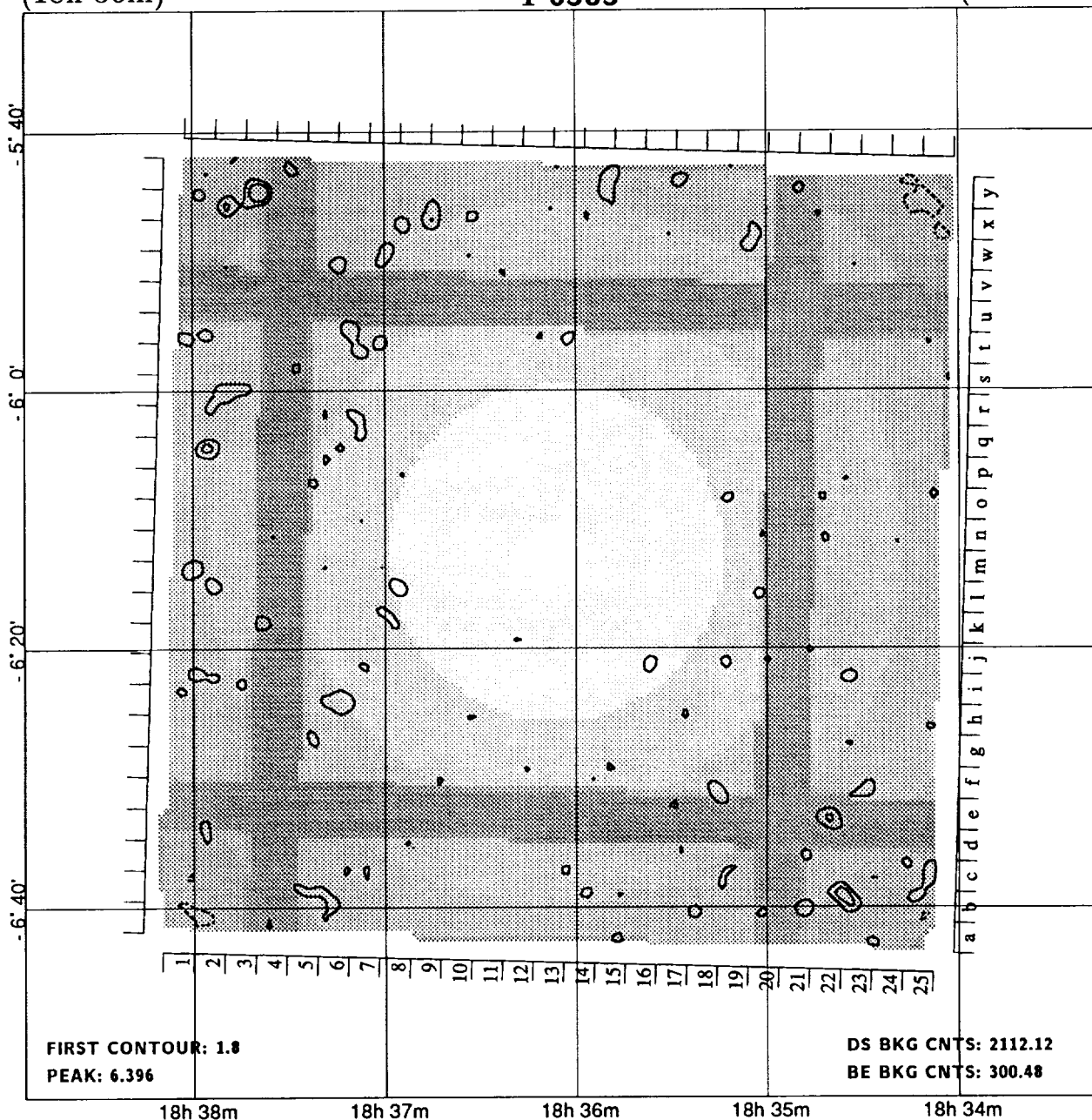
DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 1543.3s
 ROLL ANGLE: -88.2°

NH: $1.5E+22$
 REF/ID:
 FIELD FLAGS:

(18h 36m)

I 6585

(18h 36m)



1836-0612, GALACTIC PLANE SURVEY

FIELD CENTER: $18^{\text{h}}36^{\text{m}}03.6^{\text{s}}$ $-06^{\circ}12'39''$ (B1950)
 $18^{\text{h}}38^{\text{m}}44.6^{\text{s}}$ $-06^{\circ}09'57''$ (J2000)
 $l: 26.00$ $b: 0.00$

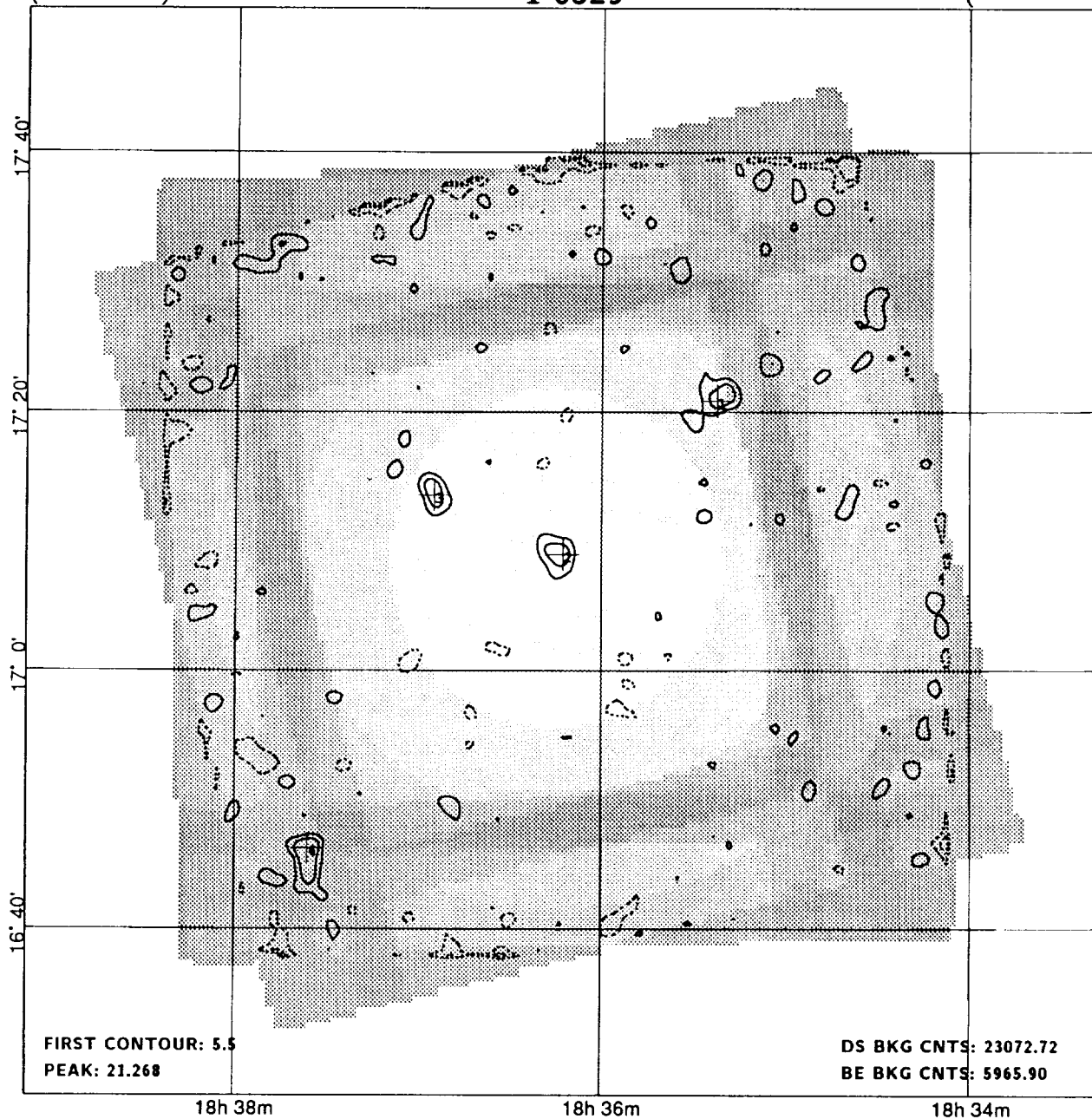
DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 1773.0s
 ROLL ANGLE: -88.4°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 36m)

I 6329

(18h 36m)



3CR 386, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: $18^{\text{h}}36^{\text{m}}12.6^{\text{s}}$ $17^{\circ}09'06''$ (B1950)
 $18^{\text{h}}38^{\text{m}}26.0^{\text{s}}$ $17^{\circ}11'49''$ (J2000)
 $l: 46.97$ $b: 10.55$

DATE: 1980/ 80 - 1981/ 63
 LIVETIME: 19368.0s

NH: $1.9\text{E}+21$

REF/ID:

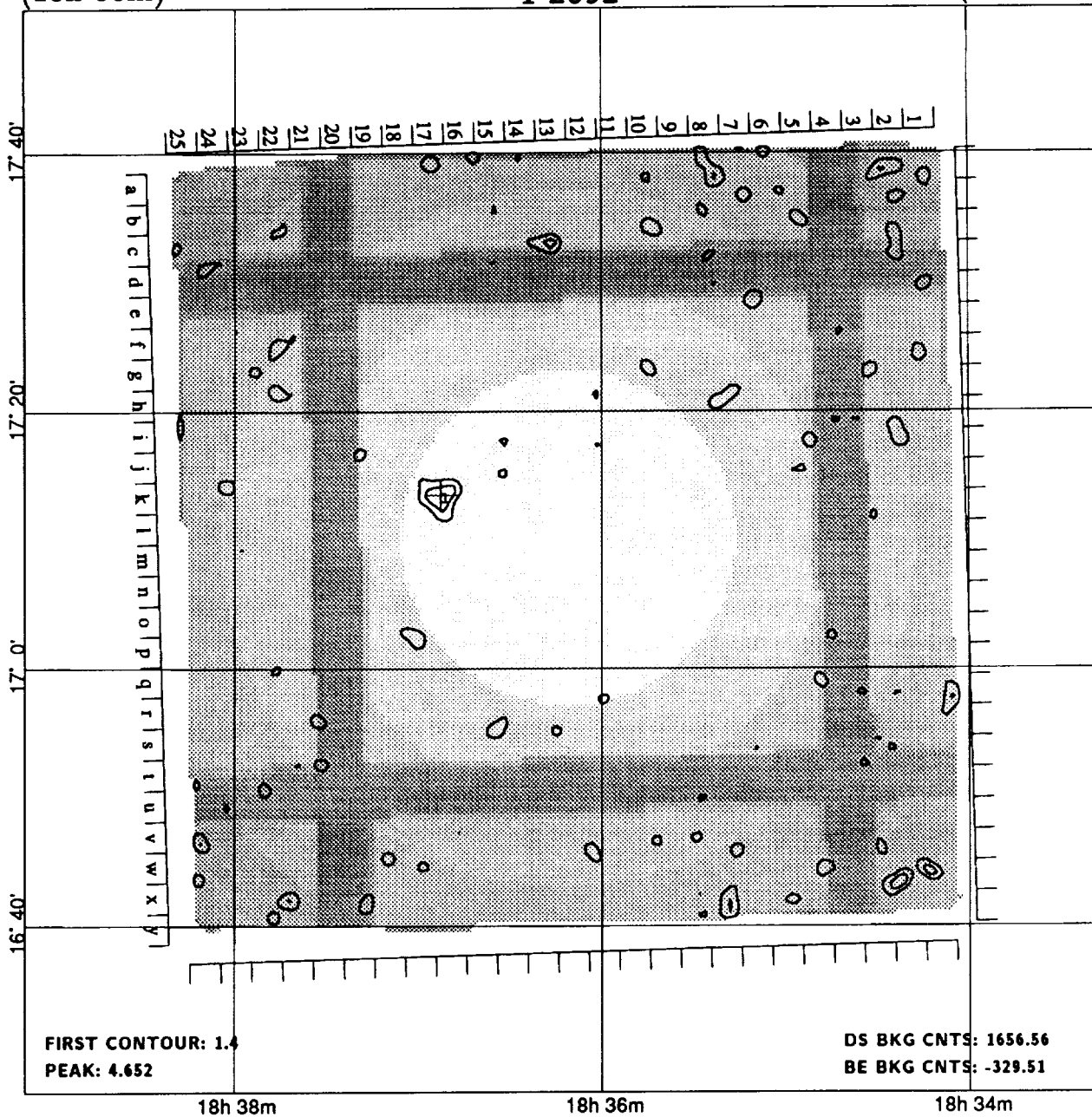
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4108	1	18 35 22.2	17 20 51	52	0.00462	0.00097	49.3	57.7	4.8	0.9	600	17.0	H	
4112	2	18 36 12.6	17 08 57	35	0.00441	0.00082	63.7	75.3	5.4	1.0	0	0.2	H	G
4113	3	18 36 55.0	17 13 32	42	0.00466	0.00088	59.3	64.7	5.3	0.9	0	11.3	A	
4116	4	18 37 36.1	16 46 15	64	*0.0058	0.0013	39.9	36.1	4.6	1.2	1609	30.4		

(18h 36m)

I 2692

(18h 36m)



3C 386: BRIGHT X-GALACTIC RADIO SOURCESE

FIELD CENTER: $18^{\text{h}}36^{\text{m}}12.6^{\text{s}}$ $17^{\circ}09'09''$ (B1950)
 $18^{\text{h}}38^{\text{m}}26.0^{\text{s}}$ $17^{\circ}11'52''$ (J2000)
 $l: 46.97$ $b: 10.55$

DATE: 1979/268 - 1979/268
 LIVETIME: 1342.4s
 ROLL ANGLE: 98.4°

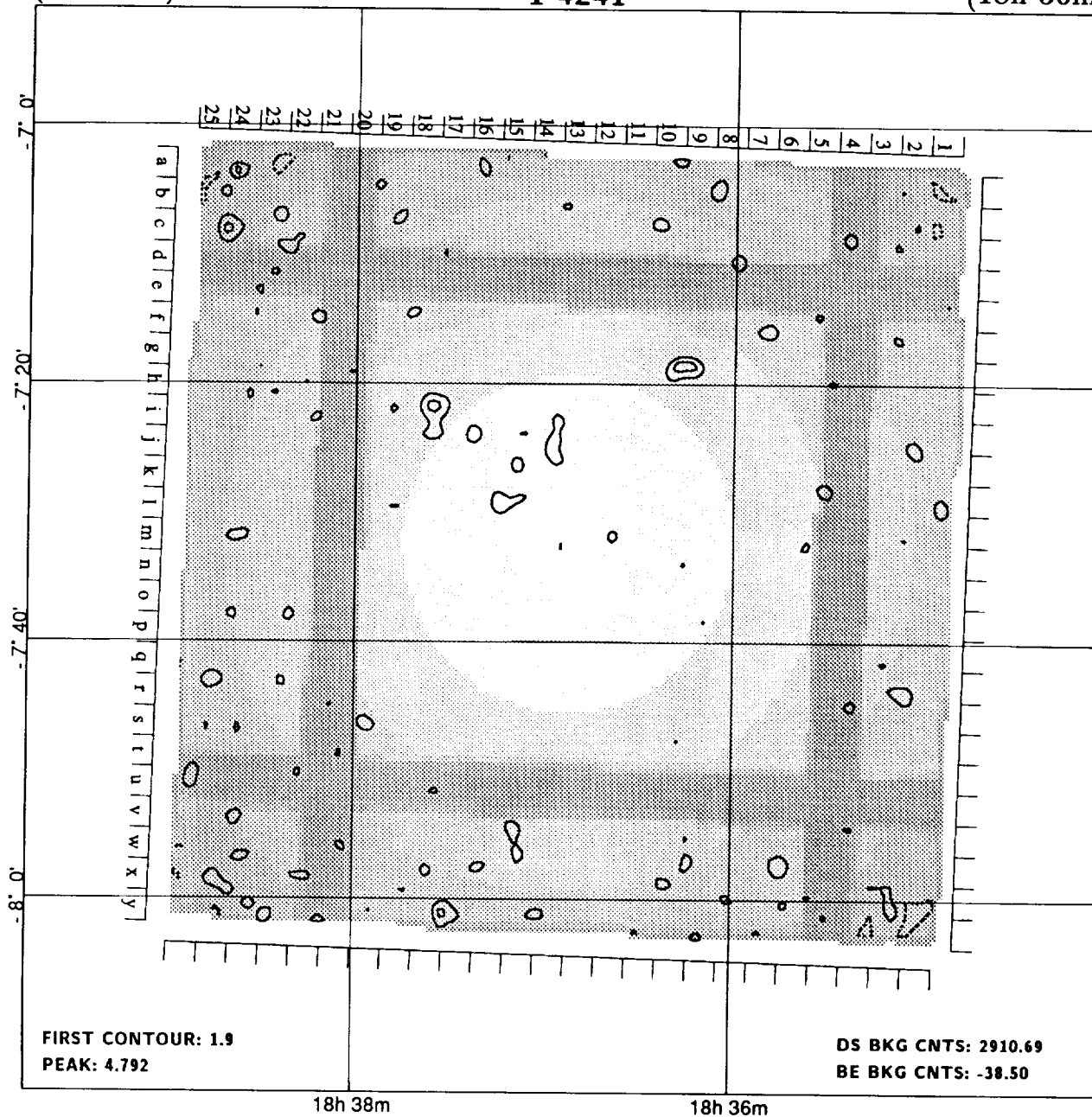
NH: $1.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4113	1	18 36 52.8	17 13 29	47	0.0187	0.0049	16.5	2.5	3.8	0.9	0	10.2	AH

(18h 36m)

I 4241

(18h 36m)

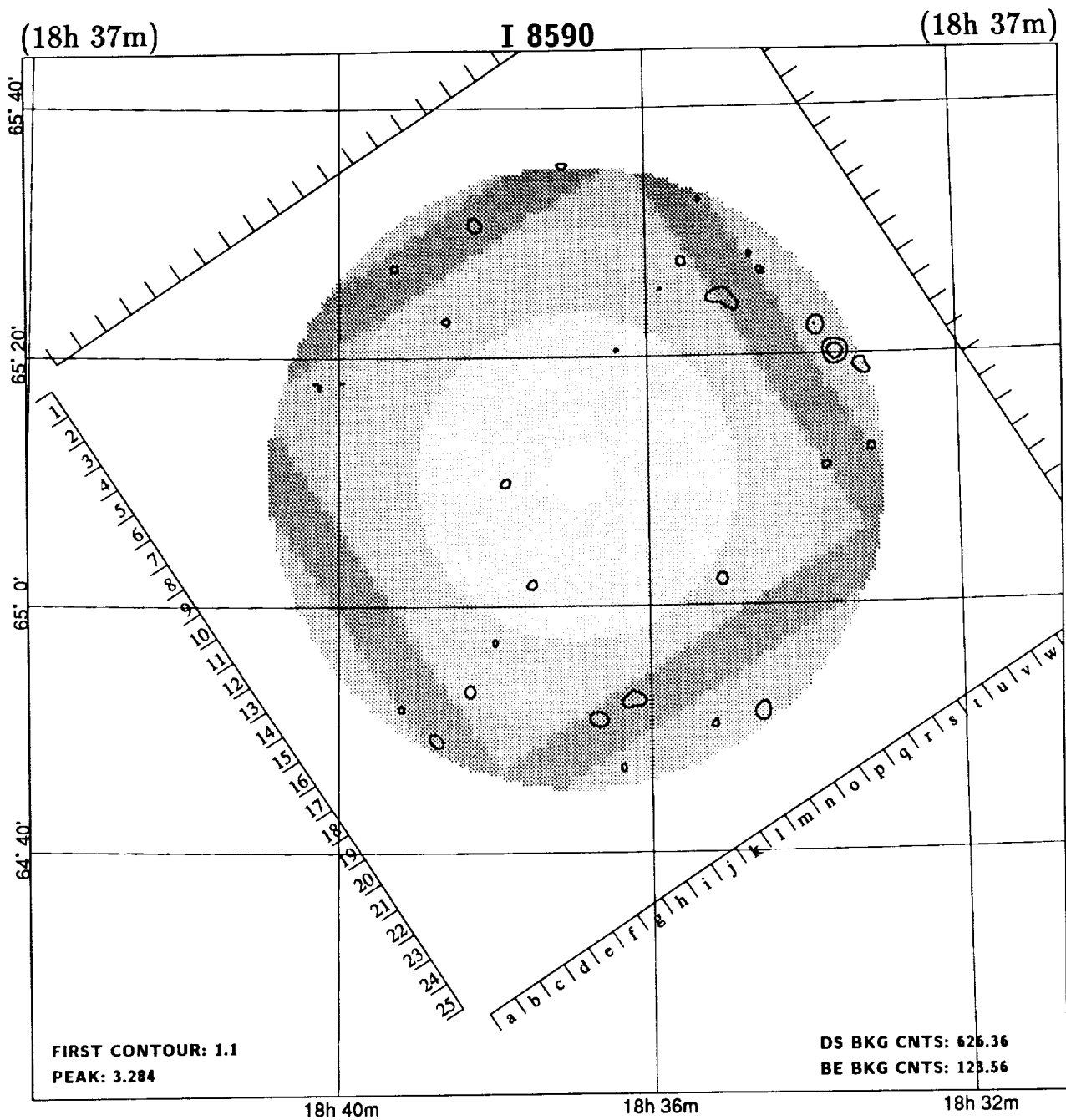


OB ASSOCIATIONS: SCT OB2

FIELD CENTER: $18^{\text{h}}36^{\text{m}}53.9^{\text{s}}$ $-07^{\circ}32'59''$ (B1950)
 $18^{\text{h}}39^{\text{m}}36.4^{\text{s}}$ $-07^{\circ}30'13''$ (J2000)
 $l: 24.91$ $b: -0.80$

DATE: 1979/267 - 1979/269
 LIVETIME: 2443.3s
 ROLL ANGLE: 91.7°

NH: $1.4\text{E}+22$
 REF/ID:
 FIELD FLAGS:



GSFC NEP SURVEY - FIELD # 96 -5 1

FIELD CENTER: $18^h 37^m 20.4^s$ $65^\circ 02' 38''$ (B1950)
 $18^h 37^m 32.3^s$ $65^\circ 05' 21''$ (J2000)
 $l: 95.08$ $b: 25.87$

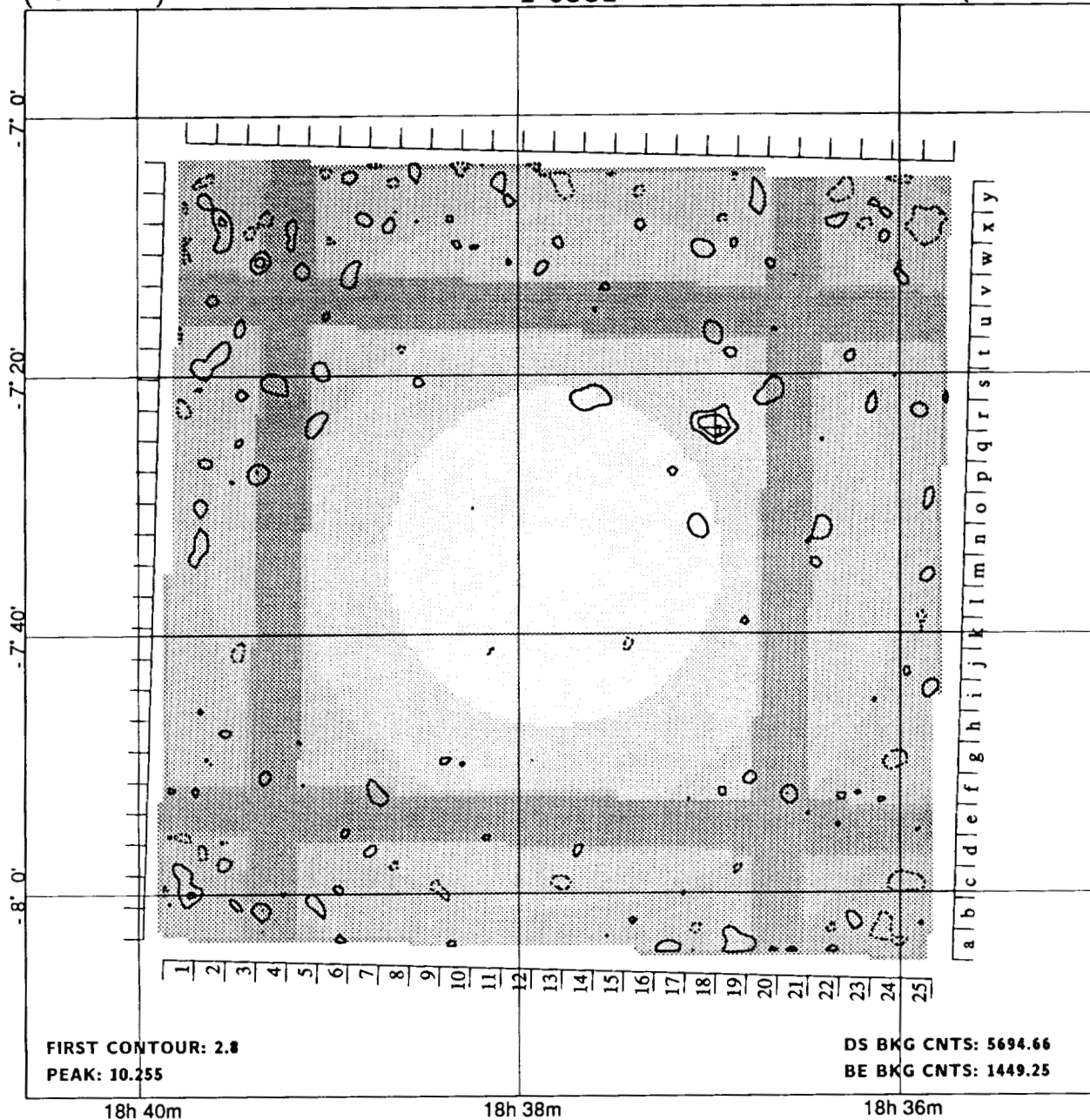
DATE: 1980/149 - 1980/149
 LIVETIME: 507.6s
 ROLL ANGLE: -33.2°

NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:

(18h 37m)

I 6581

(18h 37m)

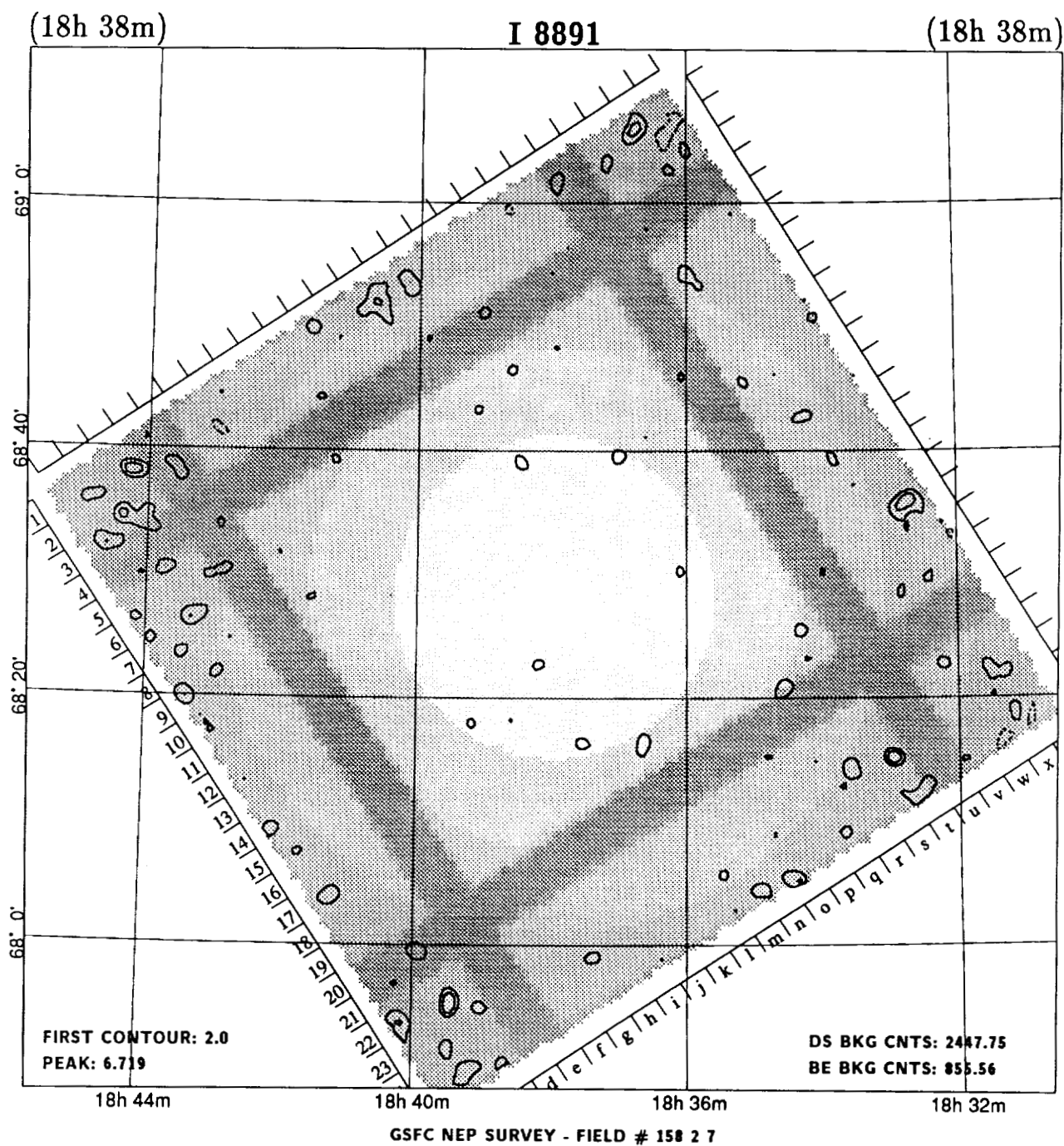


FIELD CENTER: $18^{\text{h}}37^{\text{m}}46.1^{\text{s}}$ $-07^{\circ}33'39''$ (B1950)
 $18^{\text{h}}40^{\text{m}}28.6^{\text{s}}$ $-07^{\circ}30'49''$ (J2000)
 ℓ : 25.00 b : -1.00

DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 4780.3s
 ROLL ANGLE: -88.3°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4114	1	18 36 57.9	-07 24 08	51	0.0108	0.0024	29.7	15.3	4.4	0.9	0	15.6	S



FIELD CENTER: $18^h 38^m 07.3^s$ $68^\circ 30' 27''$ (B1950)
 $18^h 37^m 53.6^s$ $68^\circ 33' 13''$ (J2000)
 $l: 98.90$ $b: 26.34$

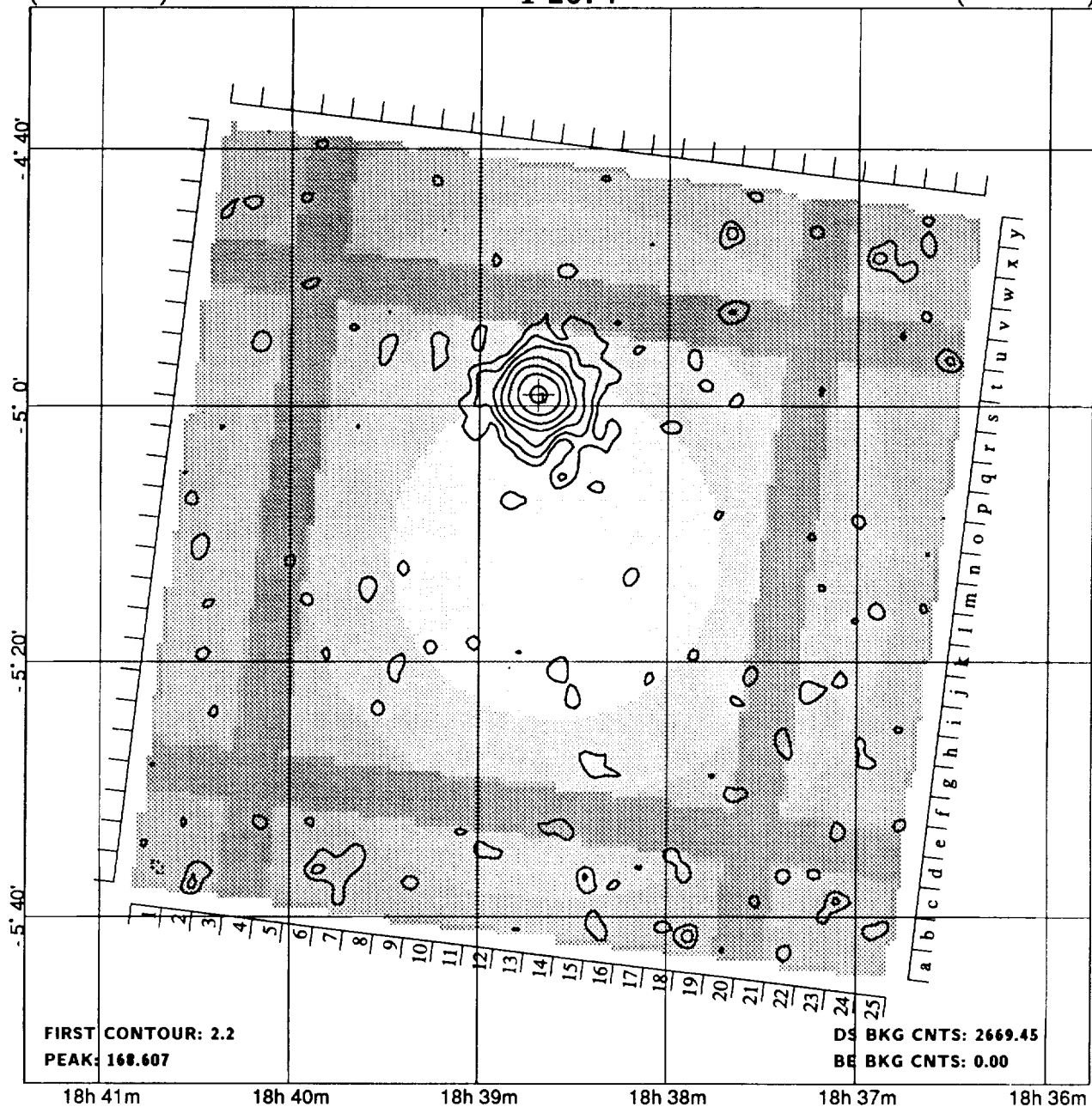
DATE: 1980/147 - 1980/147
 LIVETIME: 1983.5s
 ROLL ANGLE: -33.0°

NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS:

(18h 38m)

I 2674

(18h 38m)



3C 387: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: $18^{\text{h}}38^{\text{m}}34.9^{\text{s}}$ $-05^{\circ}10'59''$ (B1950)
 $18^{\text{h}}41^{\text{m}}14.6^{\text{s}}$ $-05^{\circ}08'06''$ (J2000)
 $l: 27.20$ $b: -0.08$

DATE: 1979/ 99 - 1979/ 99
 LIVETIME: 2163.1s
 ROLL ANGLE: -83.2°

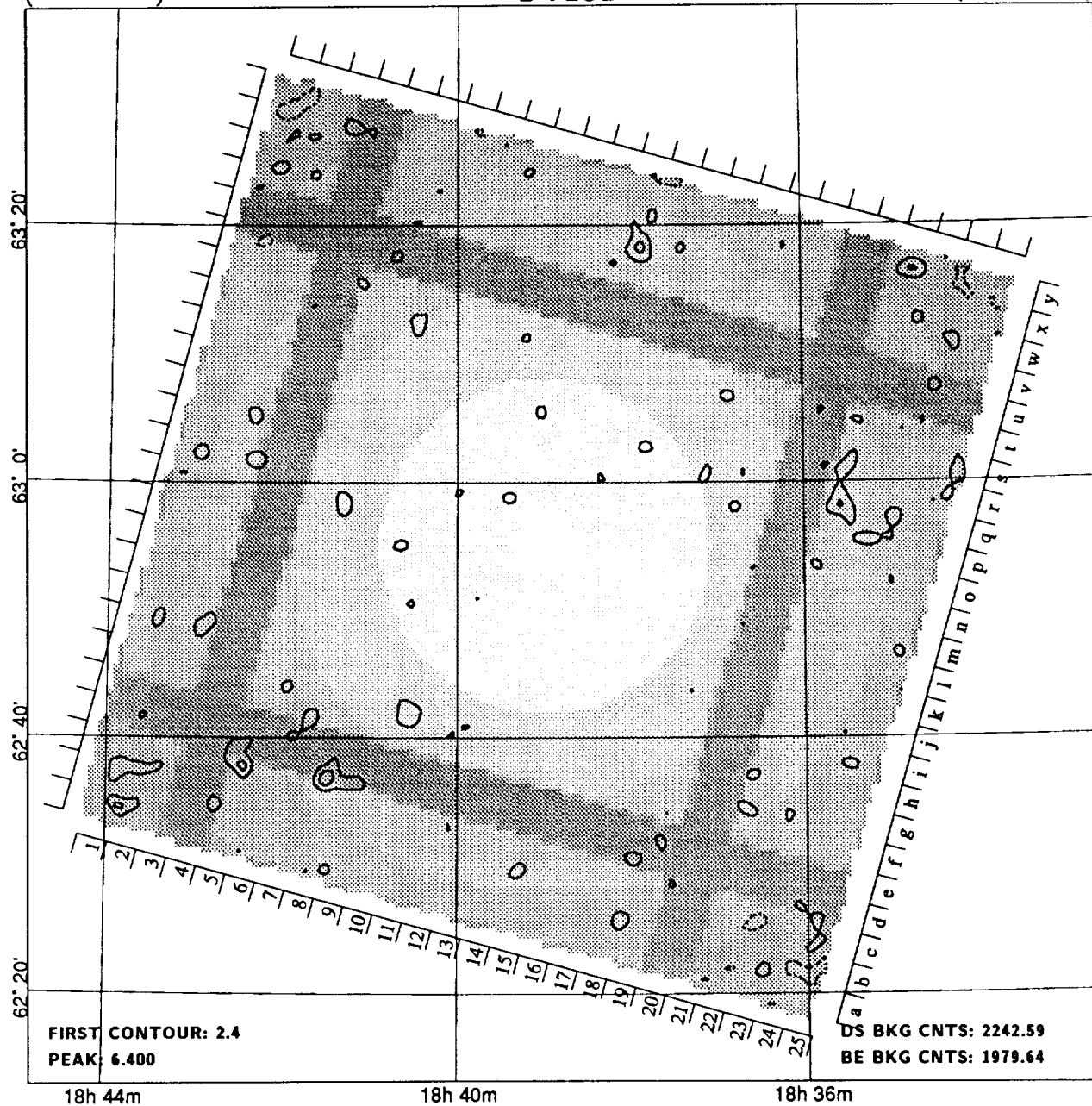
NH: $1.3\text{E}+22$
 REF/ID: SNR
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4118	1L	18 38 41.3	-04 59 08	37	0.314	0.023	430.0	252.0	13.6	2.1	0	11.9		SNR

(18h 38m)

I 7151

(18h 38m)



H1838+629, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: 18^h38^m47.8^s 62°55'11" (B1950)
 18^h39^m12.7^s 62°58'01" (J2000)
 l : 92.79 b : 25.32

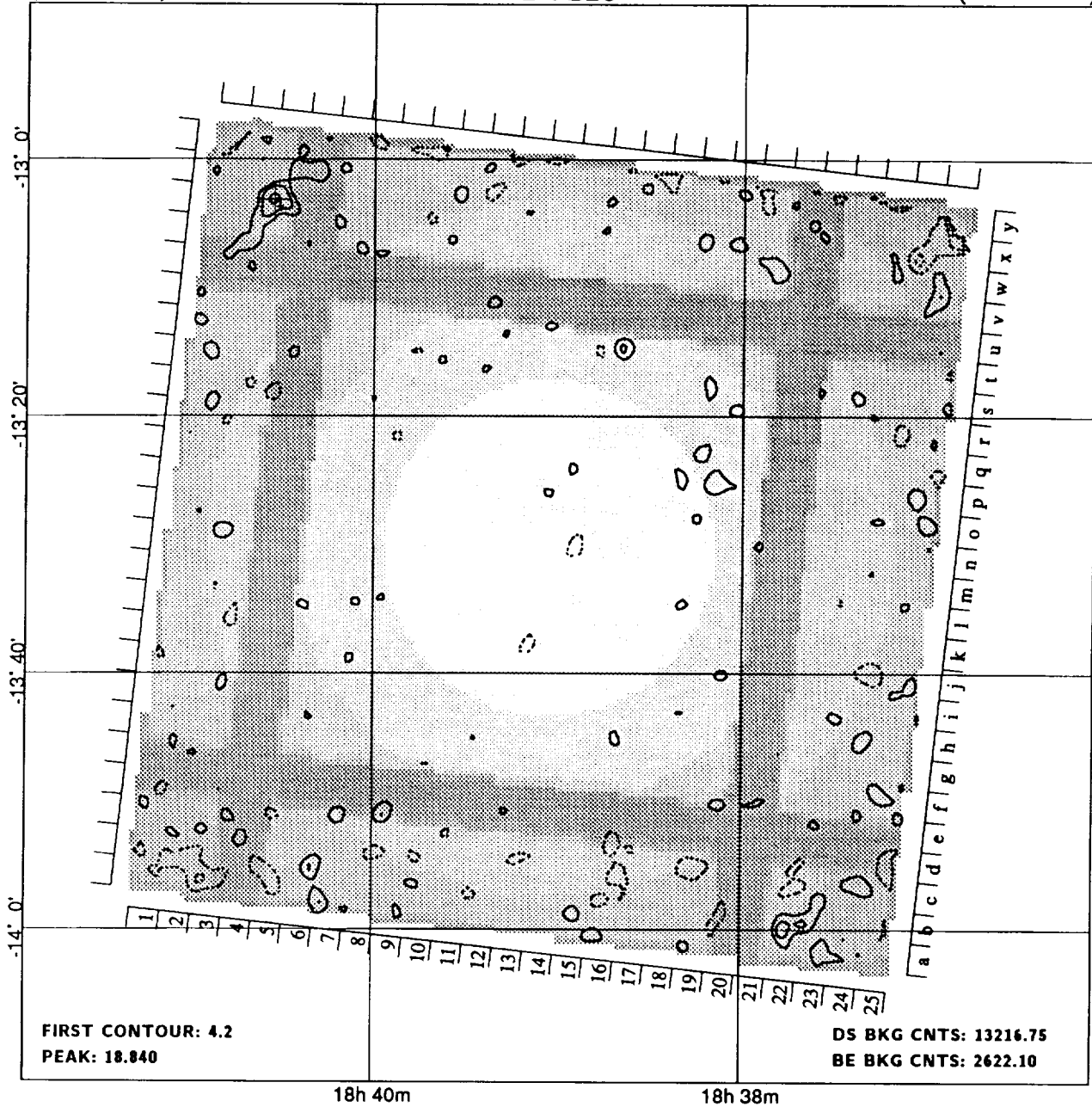
DATE: 1980/ 98 - 1980/ 98
 LIVETIME: 1882.5s
 ROLL ANGLE: -74.5°

NH: 5.6E+20
 REF/ID:
 FIELD FLAGS:

(18h 38m)

I 7229

(18h 38m)



LYNDS 409, DARK NEBULA

FIELD CENTER: $18^{\text{h}}38^{\text{m}}59.8^{\text{s}}$ $-13^{\circ}29'59''$ (B1950)
 $18^{\text{h}}41^{\text{m}}49.3^{\text{s}}$ $-13^{\circ}27'04''$ (J2000)
 ℓ : 19.86 b : -4.00

DATE: 1980/103 - 1980/104
 LIVETIME: 11094.5s
 ROLL ANGLE: -83.8°

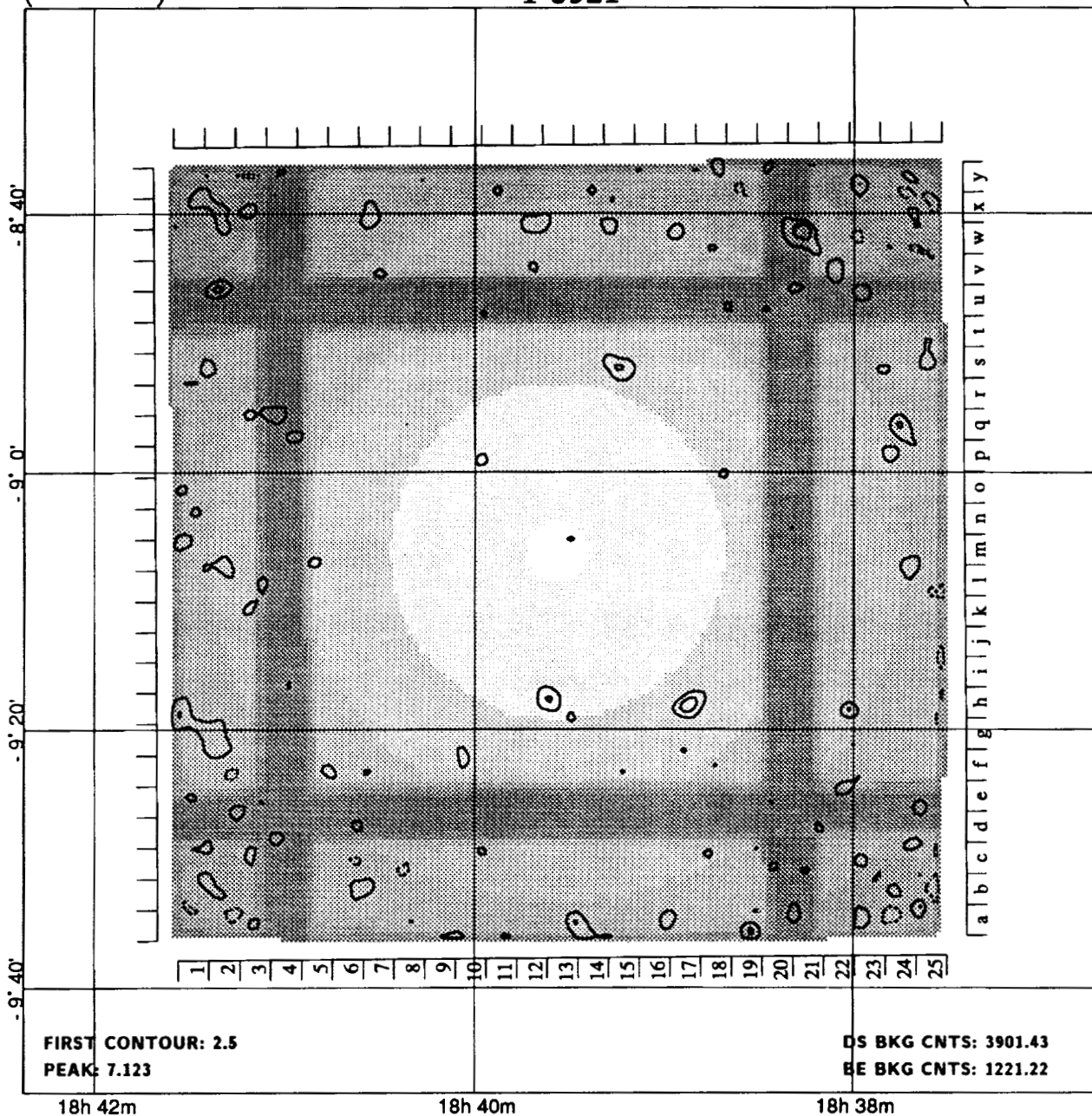
NH: $5.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4121	1	18 40 32.4	-13 03 09	57	0.0084	0.0023	25.5	21.5	3.7	1.3	500	35.2	

(18h 39m)

I 8921

(18h 39m)



FIELD CENTER: $18^{\text{h}}39^{\text{m}}31.9^{\text{s}}$ $-09^{\circ}06'07''$ (B1950)
 $18^{\text{h}}42^{\text{m}}16.2^{\text{s}}$ $-09^{\circ}03'09''$ (J2000)
 $l: 23.83$ $b: -2.10$

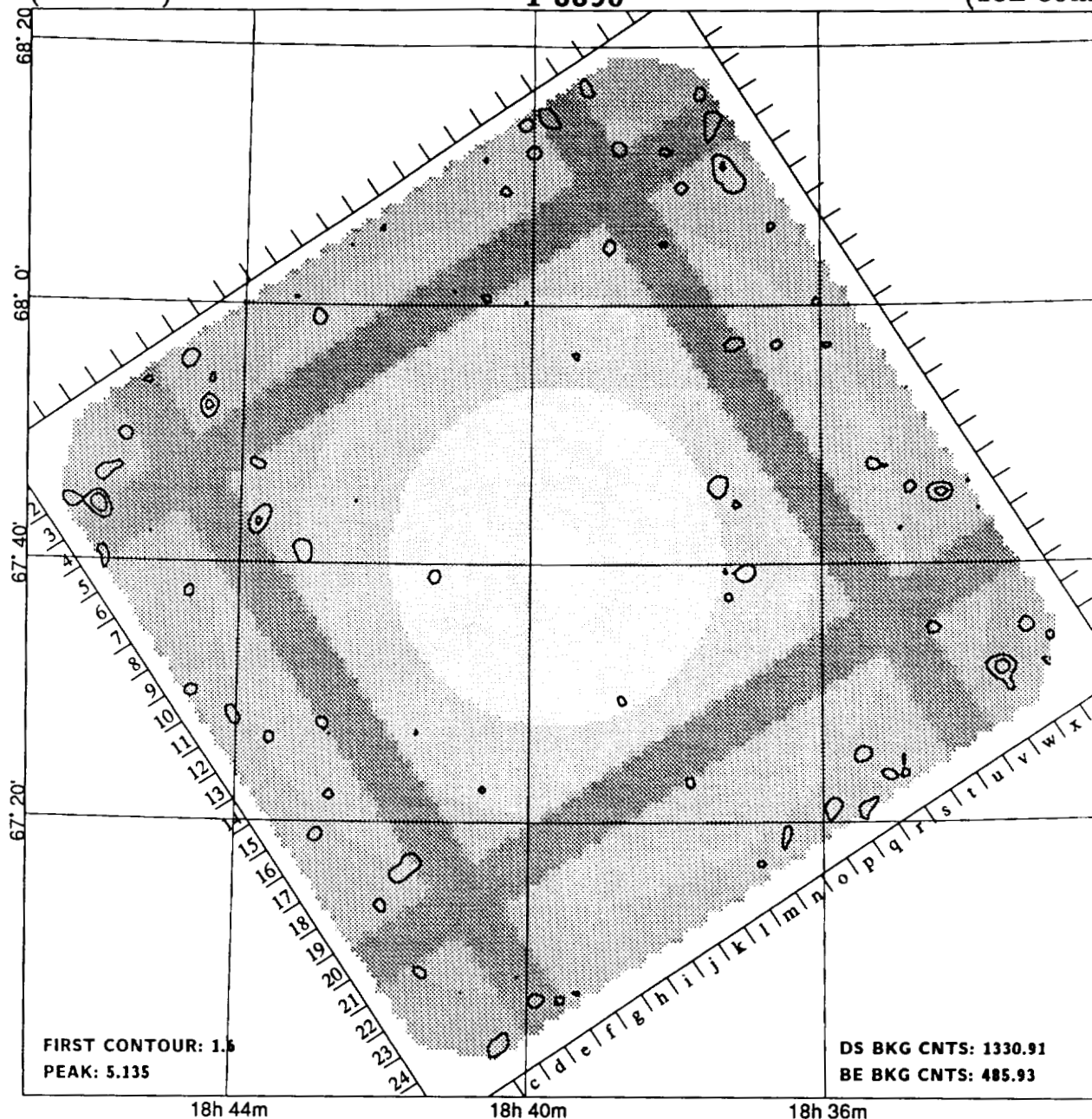
DATE: 1981/ 72 - 1981/ 72
 LIVETIME: 3161.4s
 ROLL ANGLE: -90.4°

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

(18h 39m)

I 8890

(18h 39m)



GSFC NEP SURVEY - FIELD # 157 6 4

FIELD CENTER: $18^h 39^m 33.1^s$ $67^\circ 40' 48''$ (B1950)
 $18^h 39^m 26.3^s$ $67^\circ 43' 39''$ (J2000)
 $l: 98.01$ $b: 26.08$

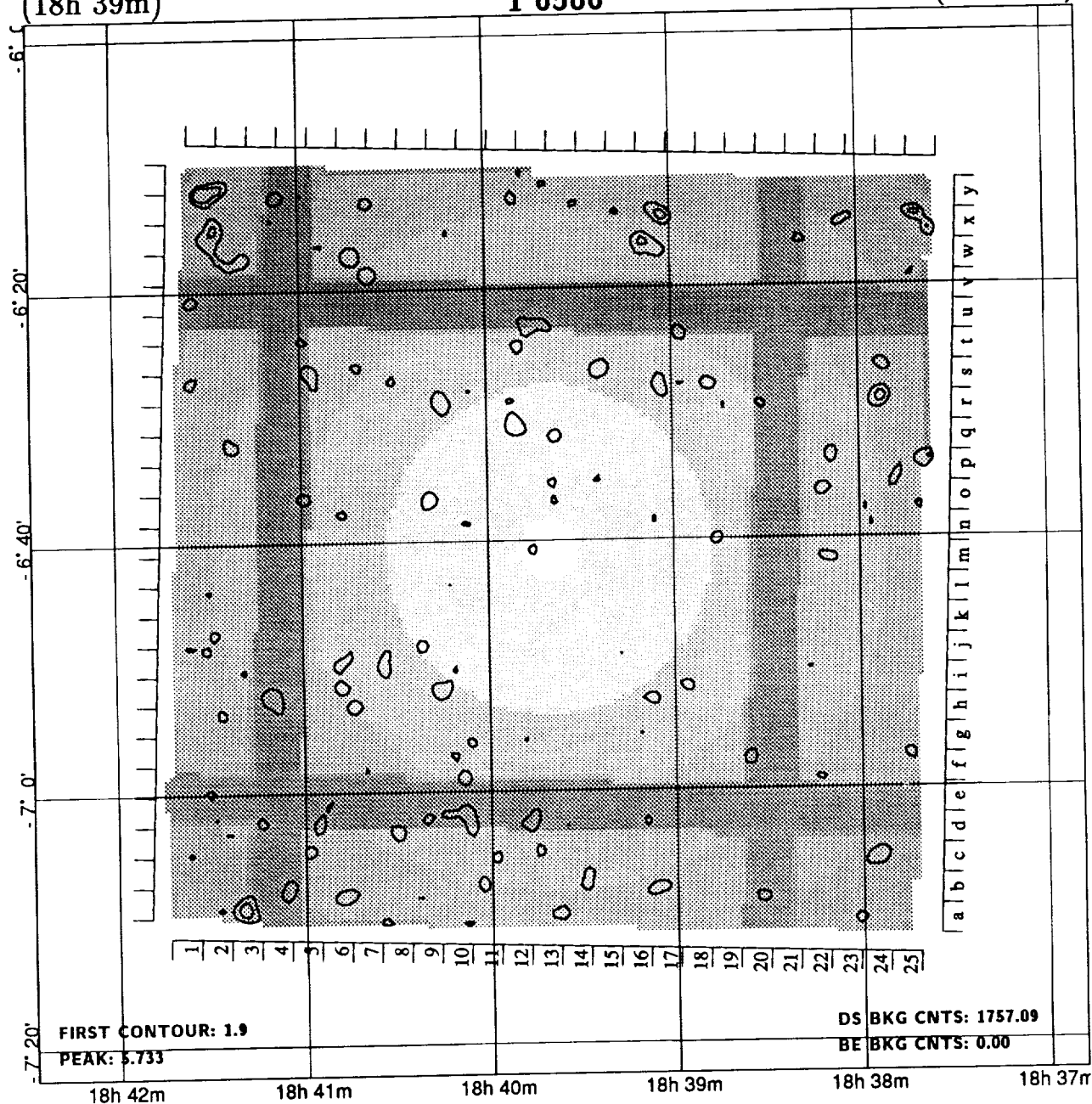
DATE: 1980/147 - 1980/147
 LIVETIME: 1078.5s
 ROLL ANGLE: -33.7°

NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS:

(18h 39m)

I 6586

(18h 39m)



FIELD CENTER: $18^h 39^m 37.7^s$ $-06^\circ 40' 25''$ (B1950)
 $18^h 42^m 19.2^s$ $-06^\circ 37' 27''$ (J2000)
 $l: 26.00$ $b: -1.00$

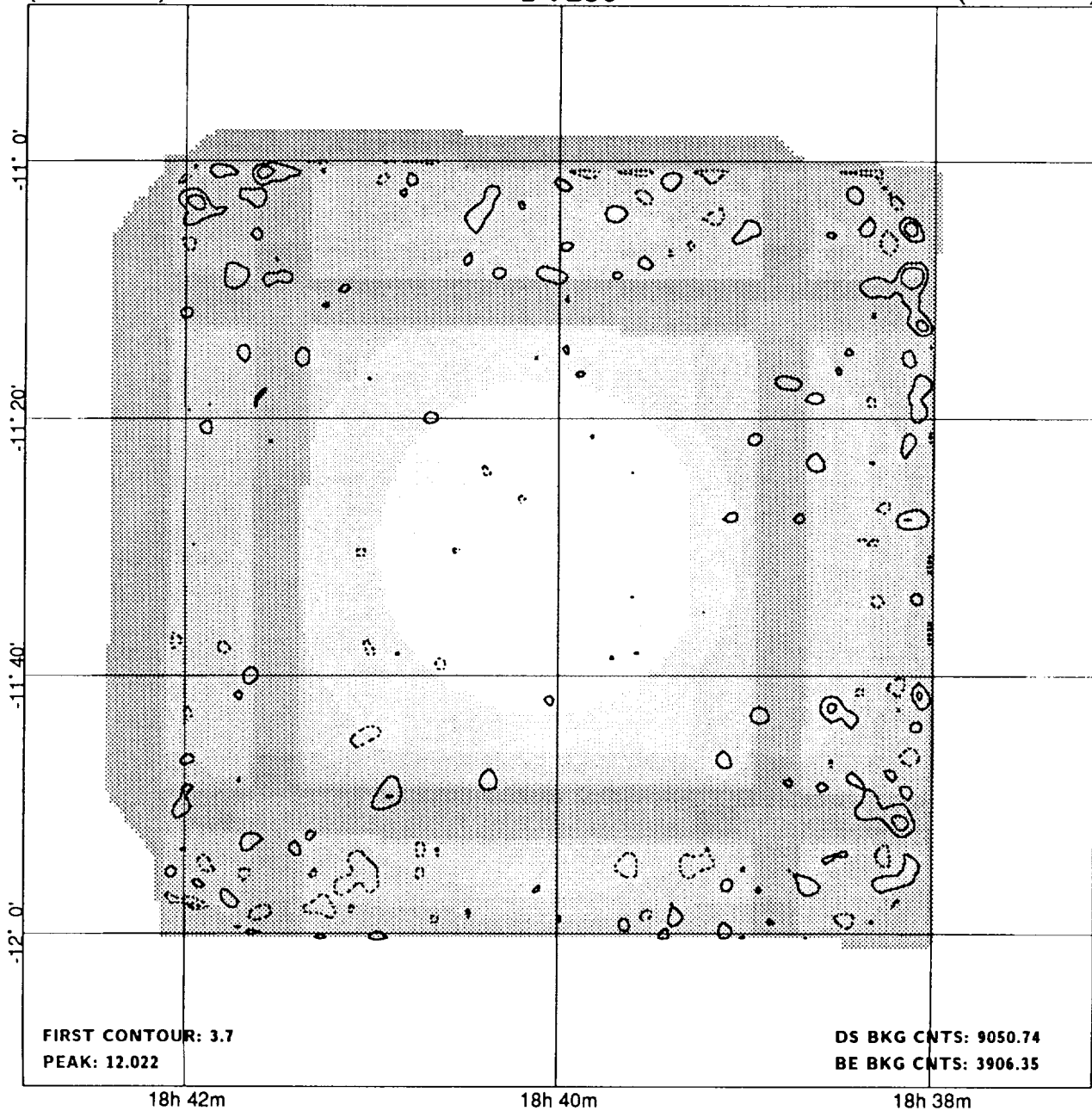
DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 1423.8s
 ROLL ANGLE: -88.2°

NH: $1.0E+22$
 REF/ID:
 FIELD FLAGS: L

(18h 40m)

I 7230

(18h 40m)



LYNDS 434, DARK NEBULA

FIELD CENTER: $18^{\text{h}}40^{\text{m}}00.0^{\text{s}}$ $-11^{\circ}29'59''$ (B1950)
 $18^{\text{h}}42^{\text{m}}47.1^{\text{s}}$ $-11^{\circ}26'59''$ (J2000)
 $l: 21.75$ $b: -3.30$

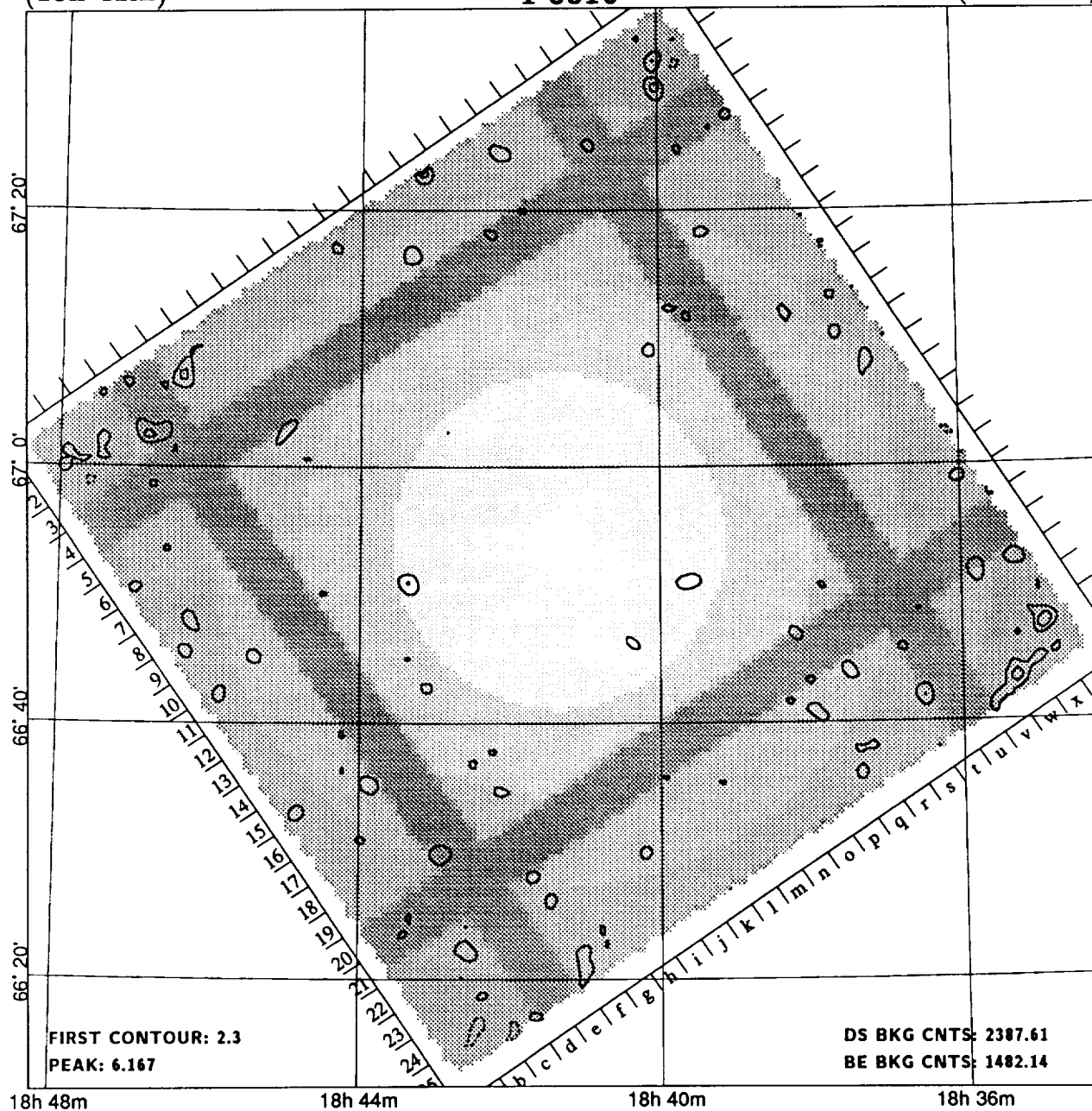
DATE: 1981/ 72 - 1981/ 72
LIVETIME: 7334.1s

NH: $6.2\text{E}+21$
REF/ID:
FIELD FLAGS: L

(18h 41m)

I 8816

(18h 41m)

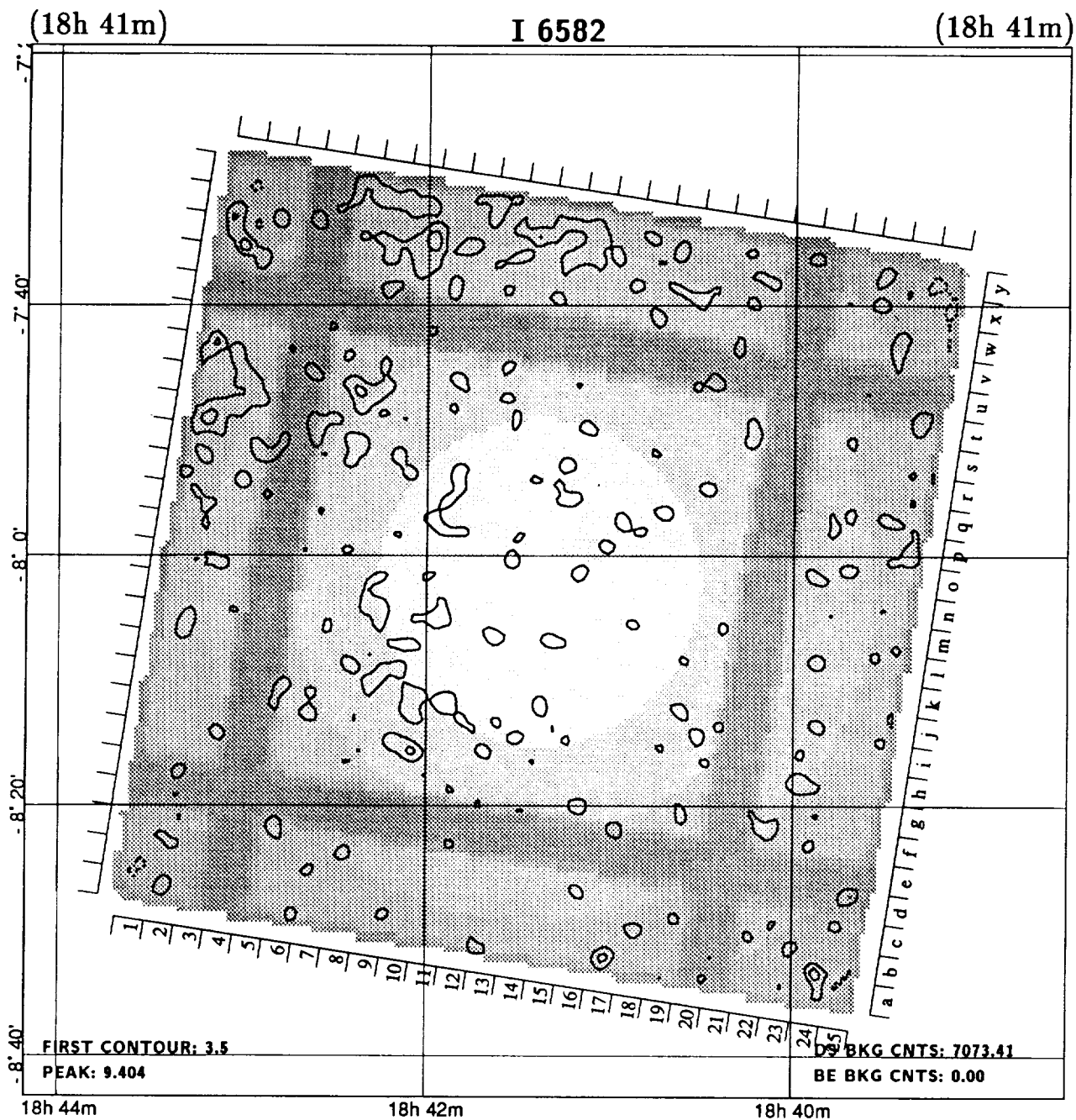


GSFC NEP SURVEY - FIELD # 83 4 5

FIELD CENTER: $18^{\text{h}}41^{\text{m}}17.2^{\text{s}}$ $66^{\circ}53'42''$ (B1950)
 $18^{\text{h}}41^{\text{m}}16.7^{\text{s}}$ $66^{\circ}56'42''$ (J2000)
 $l: 97.18$ $b: 25.79$

DATE: 1980/146 - 1980/146
 LIVETIME: 1934.7s
 ROLL ANGLE: -34.1°

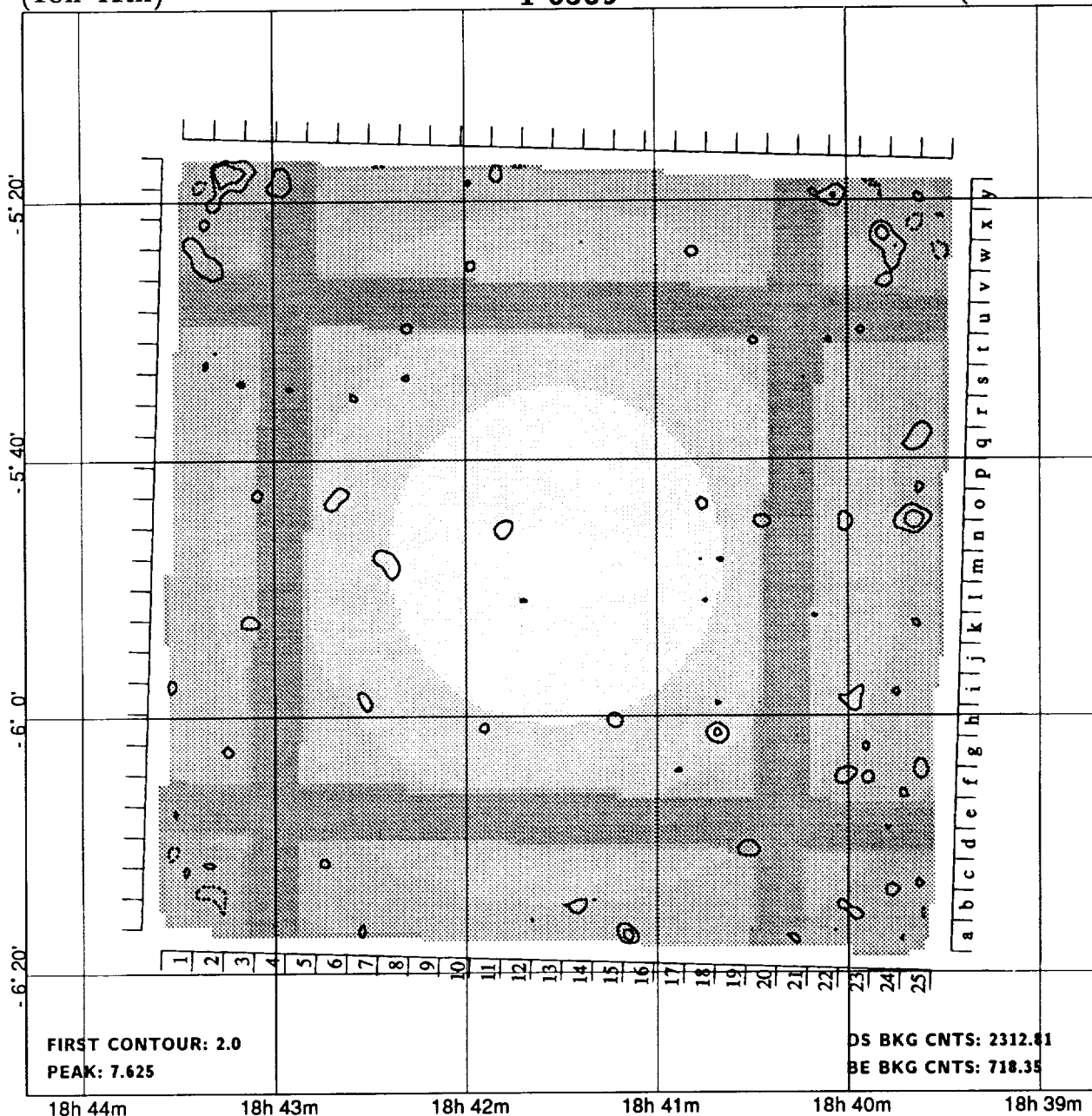
NH: $5.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:



(18h 41m)

I 6589

(18h 41m)



1841-0547, GALACTIC PLANE SURVEY

FIELD CENTER: $18^{\text{h}}41^{\text{m}}29.0^{\text{s}} -05^{\circ}47'09''$ (B1950)
 $18^{\text{h}}44^{\text{m}}09.4^{\text{s}} -05^{\circ}44'03''$ (J2000)
 $l: 27.00 \quad b: -1.00$

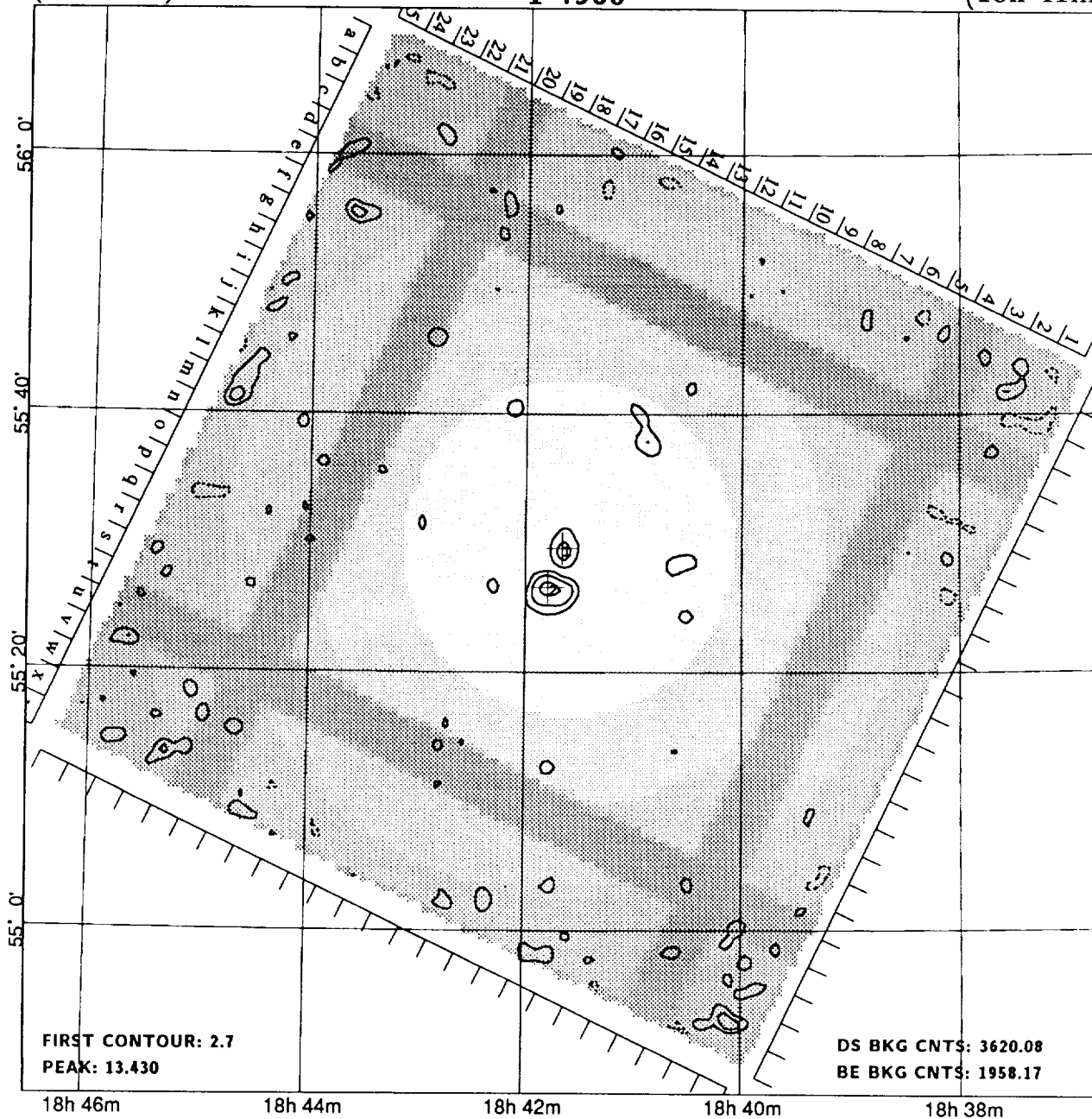
DATE: 1980/ 82 - 1980/ 82
 LIVETIME: 1941.4s
 ROLL ANGLE: -88.2°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(18h 41m)

I 4960

(18h 41m)



STAR 46 DRA (HD 173524)

FIELD CENTER: $18^{\text{h}}41^{\text{m}}39.6^{\text{s}}$ $55^{\circ}29'16''$ (B1950)
 $18^{\text{h}}42^{\text{m}}37.7^{\text{s}}$ $55^{\circ}32'20''$ (J2000)
 $l: 84.94$ $b: 23.29$

DATE: 1979/301 - 1979/302
 LIVETIME: 2933.5s
 ROLL ANGLE: 115.6°

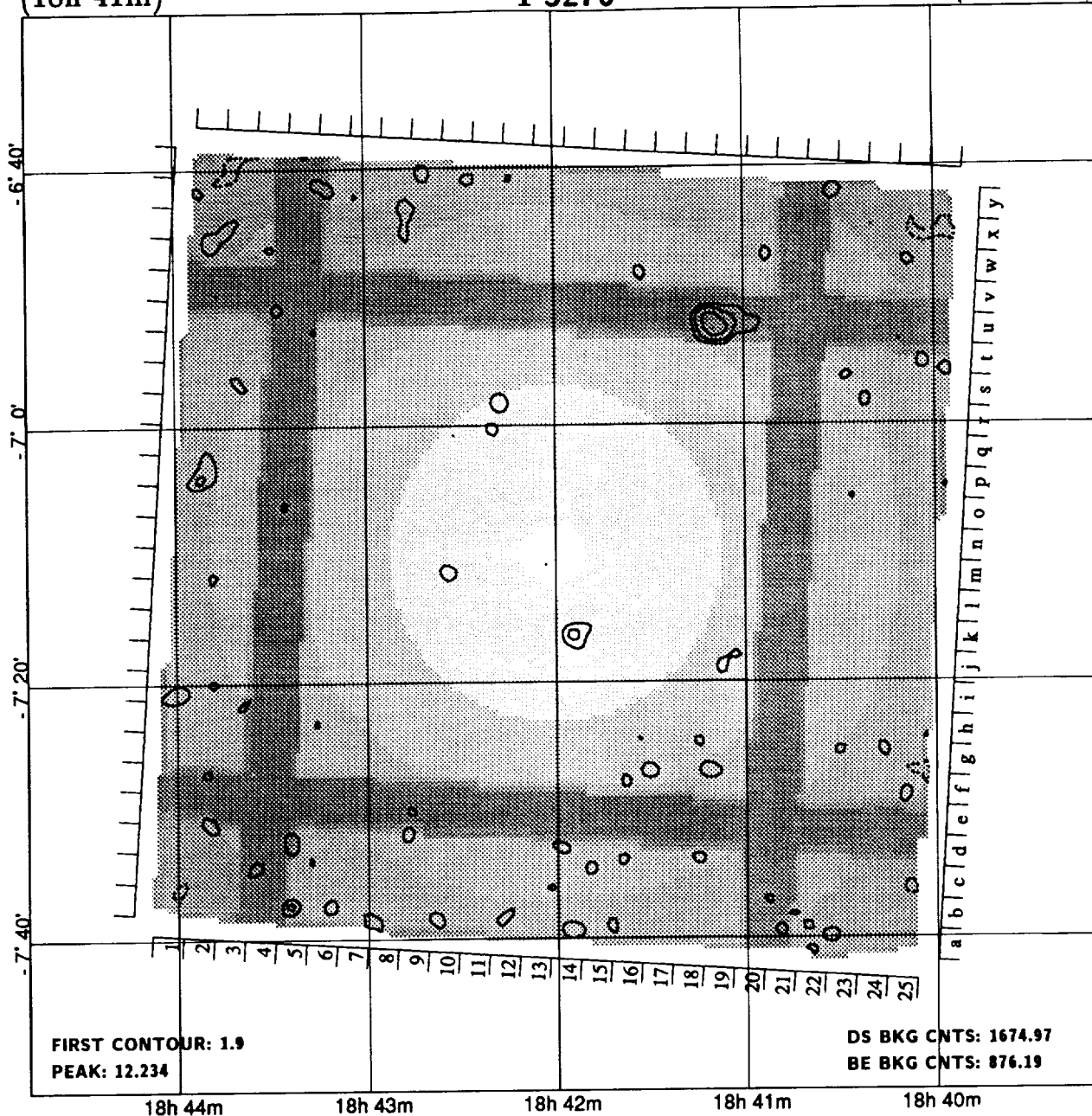
NH: $4.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4122	1	18 41 39.6	55 29 36	37	0.0123	0.0030	26.8	15.2	4.1	0.8	0	0.6	H	S
4123	2	18 41 47.5	55 26 33	35	0.0218	0.0037	46.4	15.6	5.9	1.1	0	3.0	H	

(18h 41m)

I 3276

(18h 41m)

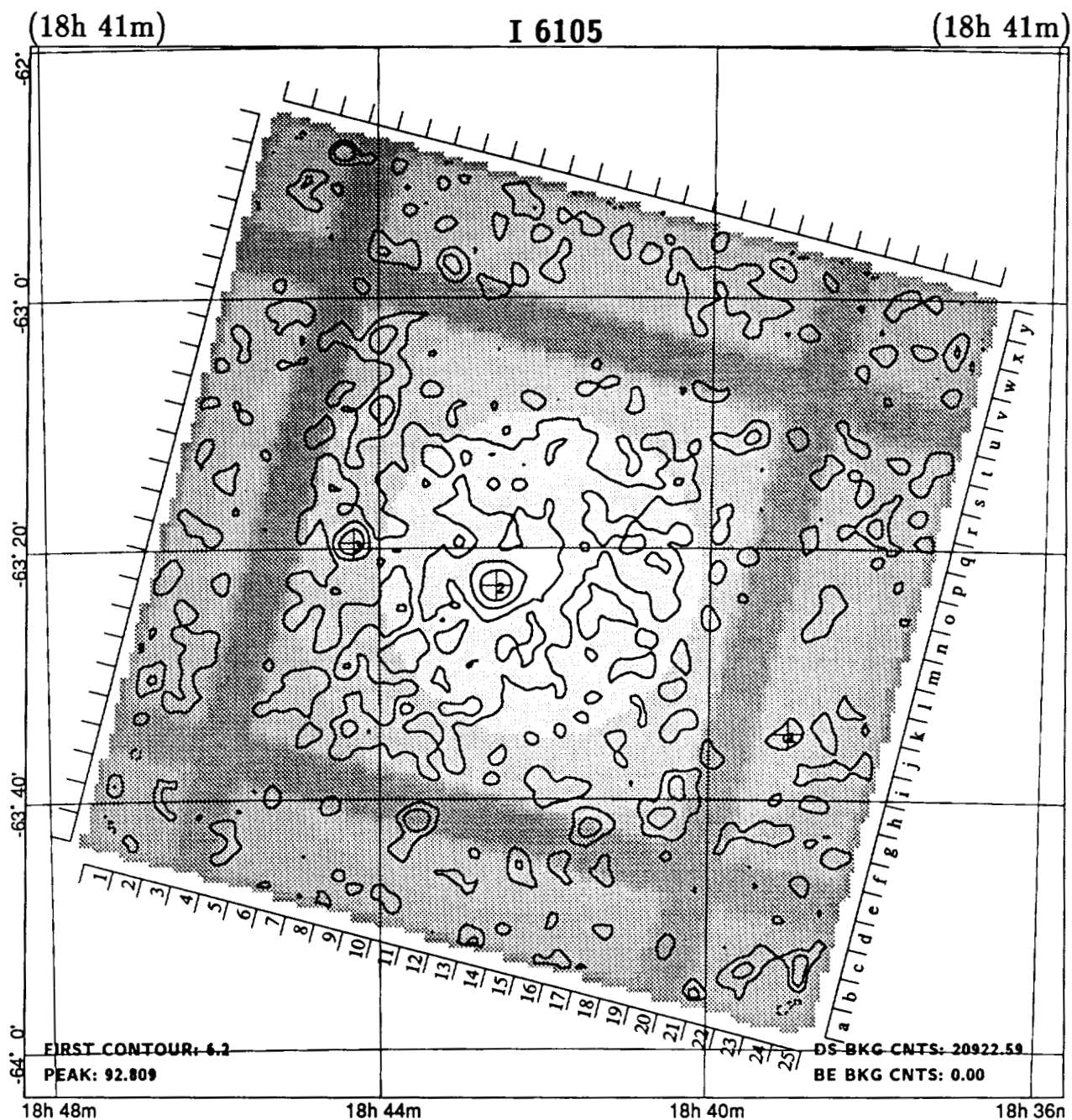


CANDIDATE X-RAY BINARY SOURCES: HD 173219

FIELD CENTER: $18^{\text{h}}41^{\text{m}}57.4^{\text{s}}$ $-07^{\circ}09'47''$ (B1950)
 $18^{\text{h}}44^{\text{m}}39.4^{\text{s}}$ $-07^{\circ}06'39''$ (J2000)
 $l: 25.83$ $b: -1.74$

DATE: 1979/ 88 - 1979/ 88
 LIVETIME: 1357.3s
 ROLL ANGLE: -86.4°

NH: $9.1\text{E}+21$
 REF/ID:
 FIELD FLAGS: LS



FIELD CENTER: $18^h 41^m 59.8^s$ $-63^\circ 21' 59''$ (B1950)
 $18^h 46^m 44.2^s$ $-63^\circ 18' 46''$ (J2000)
 $l: 332.26$ $b: -23.53$

DATE: 1980/ 72 - 1980/ 73
 LIVETIME: 16954.2s
 ROLL ANGLE: -75.6°

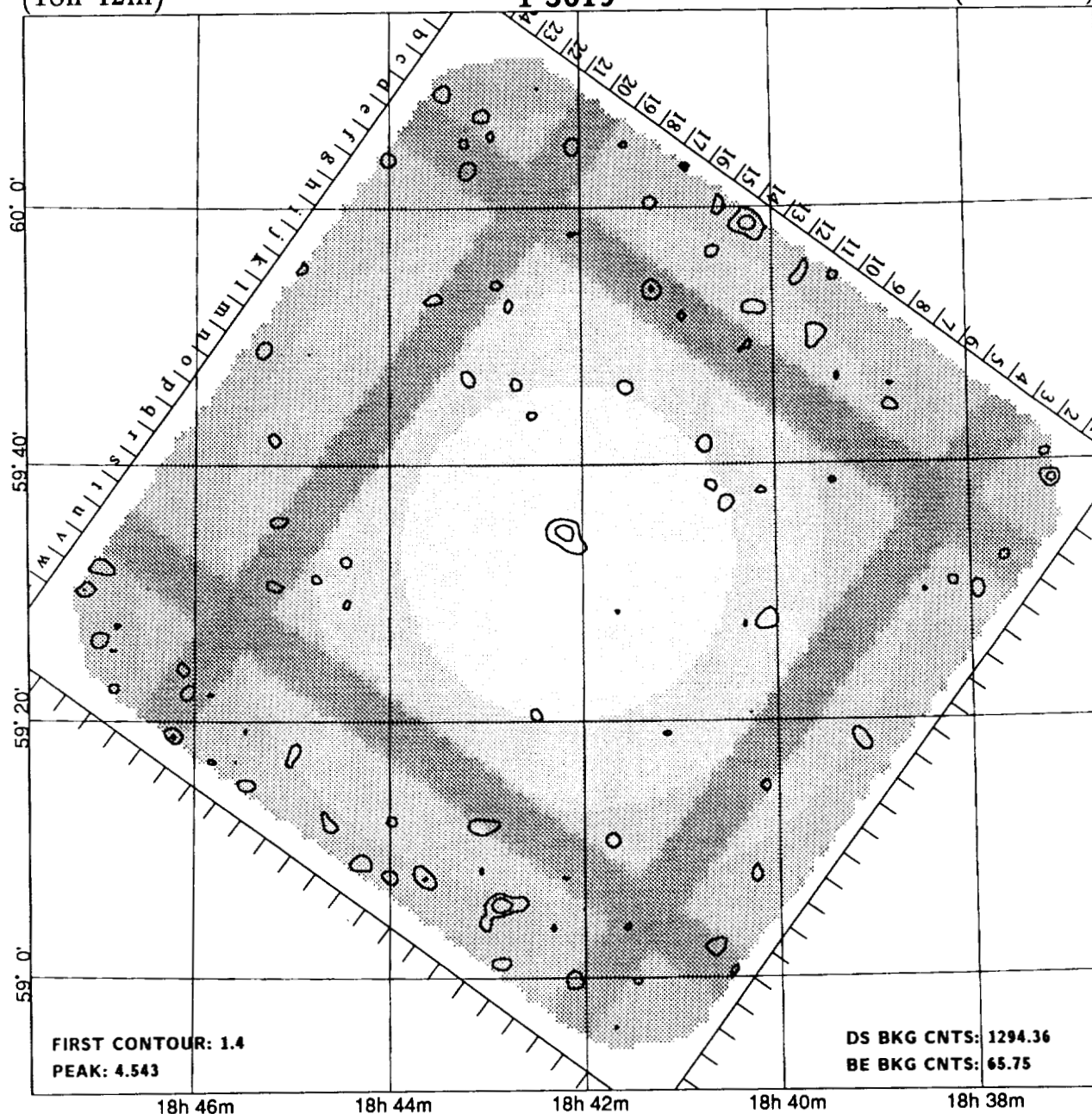
NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4119	1L	18 39 02.6	-63 34 47	55	0.0050	0.0014	37.8	33.2	3.6	0.7	0	23.6		
4124	2L	18 42 35.0	-63 22 56	31	0.0269	0.0021	330.4	161.6	12.4	10.7	0	4.2		CLG
4132	3L	18 44 18.6	-63 19 33	48	0.0128	0.0016	127.0	58.0	7.7	26.1	0	15.6		

(18h 42m)

I 5619

(18h 42m)

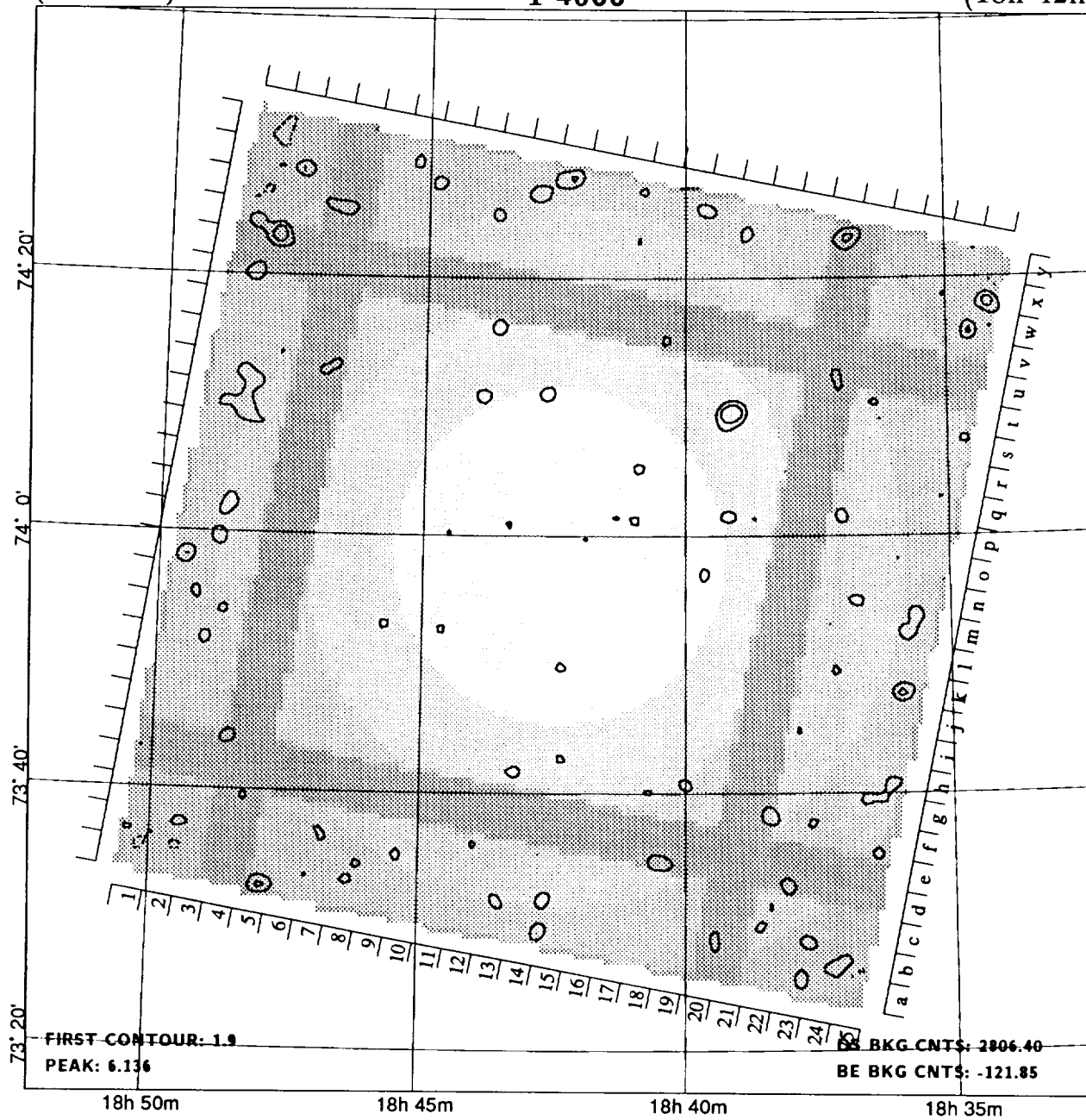


FIELD CENTER: $18^h 42^m 11.9^s$ $59^\circ 33' 17''$ (B1950)
 $18^h 42^m 53.9^s$ $59^\circ 36' 22''$ (J2000)
 ℓ : 89.27 b : 24.21

DATE: 1979/312 - 1979/312
 LIVETIME: 1048.9s
 ROLL ANGLE: 126.1°

NH: $4.9E+20$
 REF/ID: !
 FIELD FLAGS:

(18h 42m)



EMPTY FIELD, GYRO TEST

FIELD CENTER: $18^h 42^m 19.8^s$ $73^\circ 58' 47''$ (B1950)
 $18^h 41^m 04.3^s$ $74^\circ 01' 49''$ (J2000)
 ℓ : 105.01 b : 26.71

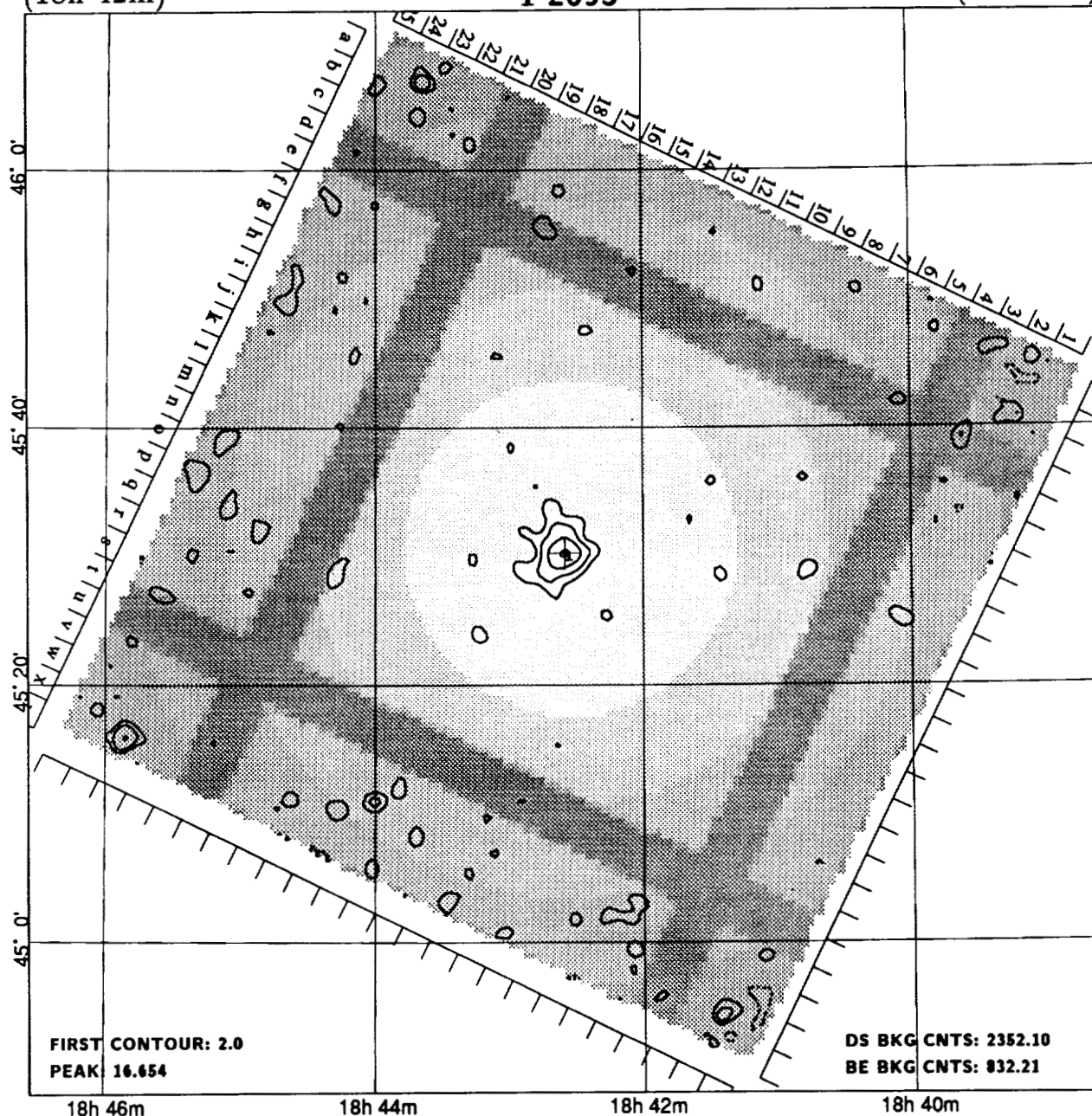
DATE: 1979/101 - 1979/101
LIVETIME: 2274.1s
ROLL ANGLE: -79.6°

NH: 6.6E+20
REF/ID:
FIELD FLAGS:

(18h 42m)

I 2693

(18h 42m)



3C 388: BRIGHT X-GALACTIC RADIO SOURCE

FIELD CENTER: $18^{\text{h}}42^{\text{m}}35.3^{\text{s}}$ $45^{\circ}30'21''$ (B1950)
 $18^{\text{h}}44^{\text{m}}02.3^{\text{s}}$ $45^{\circ}33'30''$ (J2000)
 $l: 74.70$ $b: 20.22$

DATE: 1979/303 - 1979/303
 LIVETIME: 1906.0s
 ROLL ANGLE: 115.9°

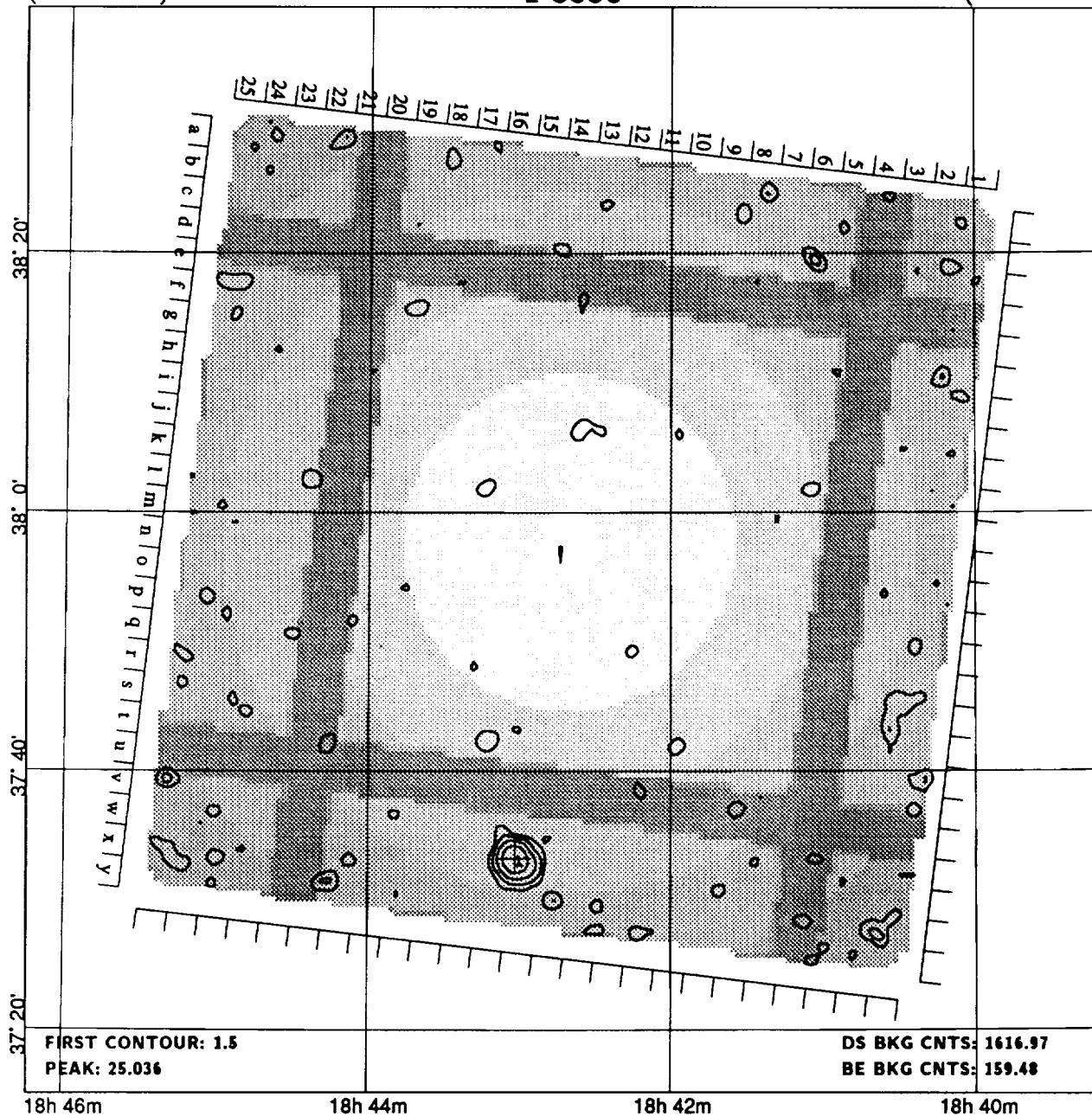
NH: $5.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4125	1	18 42 35.2	45 30 18	34	0.0455	0.0060	64.6	8.4	7.6	1.7	0	0.2	H	G

(18h 42m)

I 3358

(18h 42m)



DWARF NOVAE: AY LYR

FIELD CENTER: $18^h 42^m 42.8^s$ $37^\circ 57' 05''$ (B1950)
 $18^h 44^m 25.4^s$ $38^\circ 00' 15''$ (J2000)
 $l: 67.22$ $b: 17.59$

DATE: 1979/282 - 1979/282
 LIVETIME: 1310.3s
 ROLL ANGLE: 96.7°

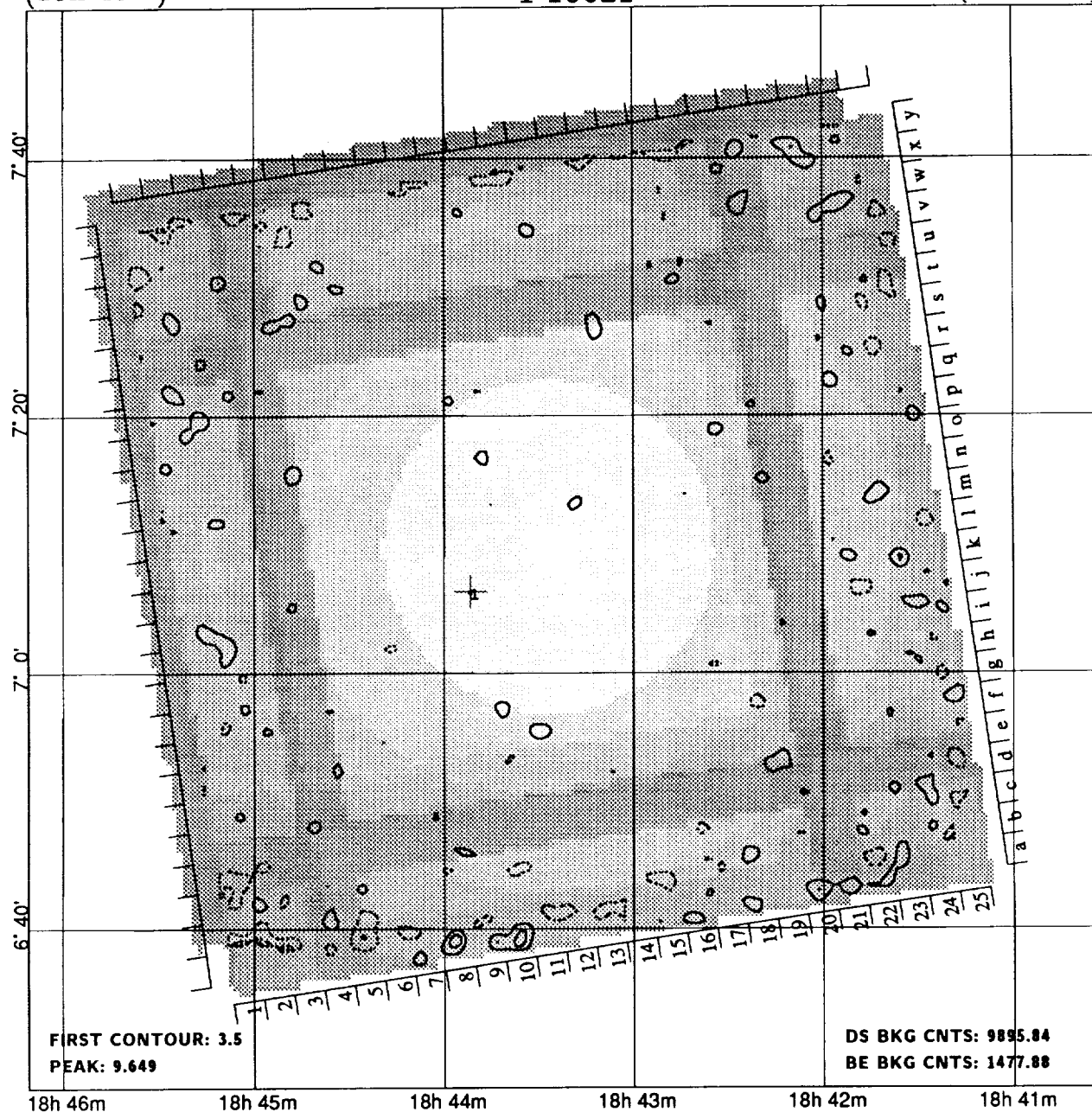
NH: $5.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4127	1	18 43 01.6	37 33 13	50	0.101	0.014	57.6	3.4	7.4	1.1	0	23.9	H	

(18h 43m)

I 10621

(18h 43m)



FIELD CENTER: $18^h 43^m 21.6^s$ $07^\circ 09' 42''$ (B1950)
 $18^h 45^m 47.2^s$ $07^\circ 12' 56''$ (J2000)
 ℓ : 38.73 b : 4.53

DATE: 1981/ 66 - 1981/ 67
LIVETIME: 8018.9s
ROLL ANGLE: -98.5°

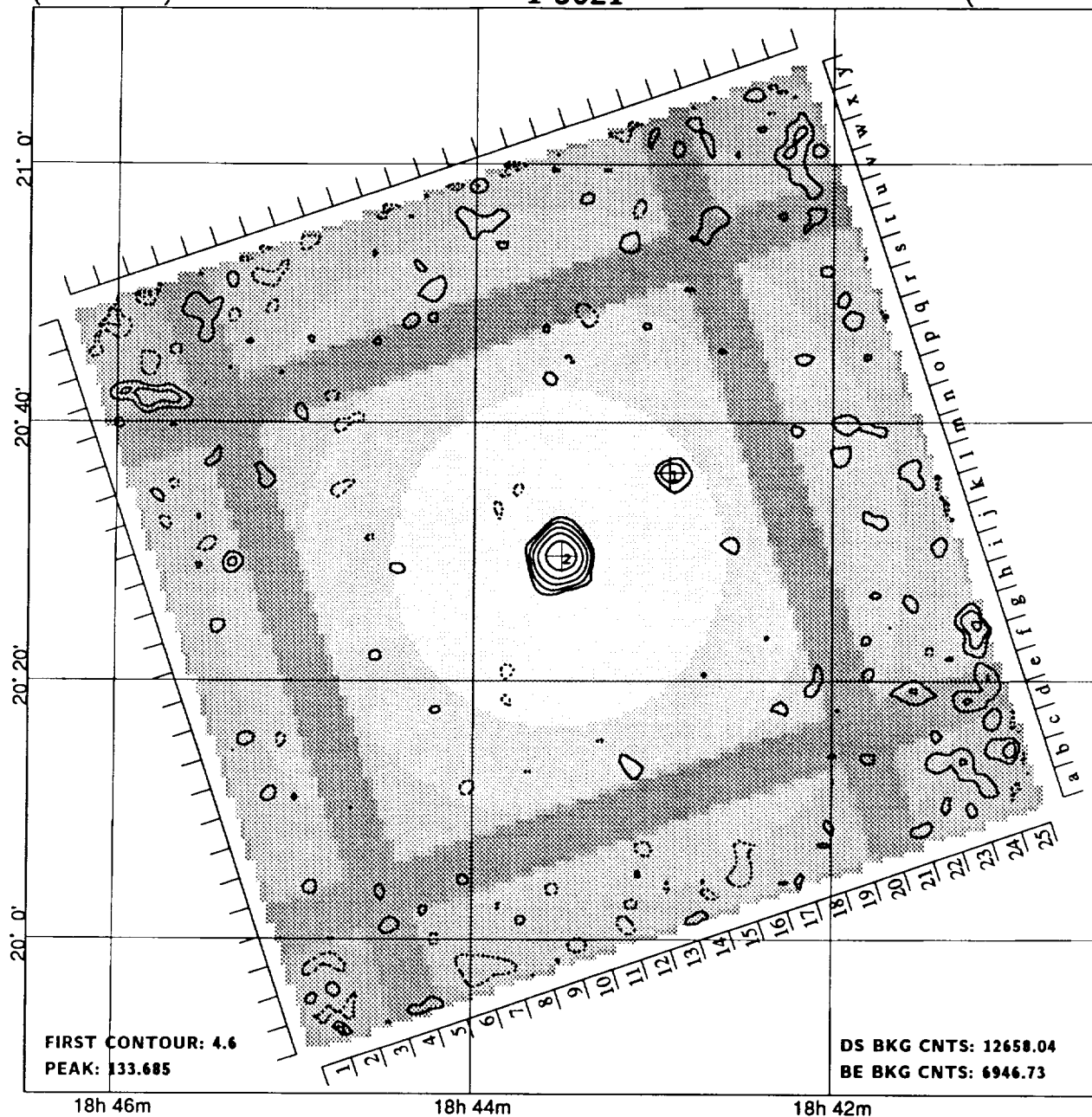
NH: 5.0E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4130	1L	18 43 51.7	07 06 24	48	0.0053	0.0014	29.6	12.4	3.7	0.1	0	8.1	

(18h 43m)

I 5621

(18h 43m)



110 HER

FIELD CENTER: $18^{\text{h}}43^{\text{m}}29.8^{\text{s}}$ $20^{\circ}29'59''$ (B1950)
 $18^{\text{h}}45^{\text{m}}39.0^{\text{s}}$ $20^{\circ}33'13''$ (J2000)
 $l: 50.80$ $b: 10.44$

DATE: 1981/ 60 - 1981/ 60
 LIVETIME: 10257.2s
 ROLL ANGLE: -108.6°

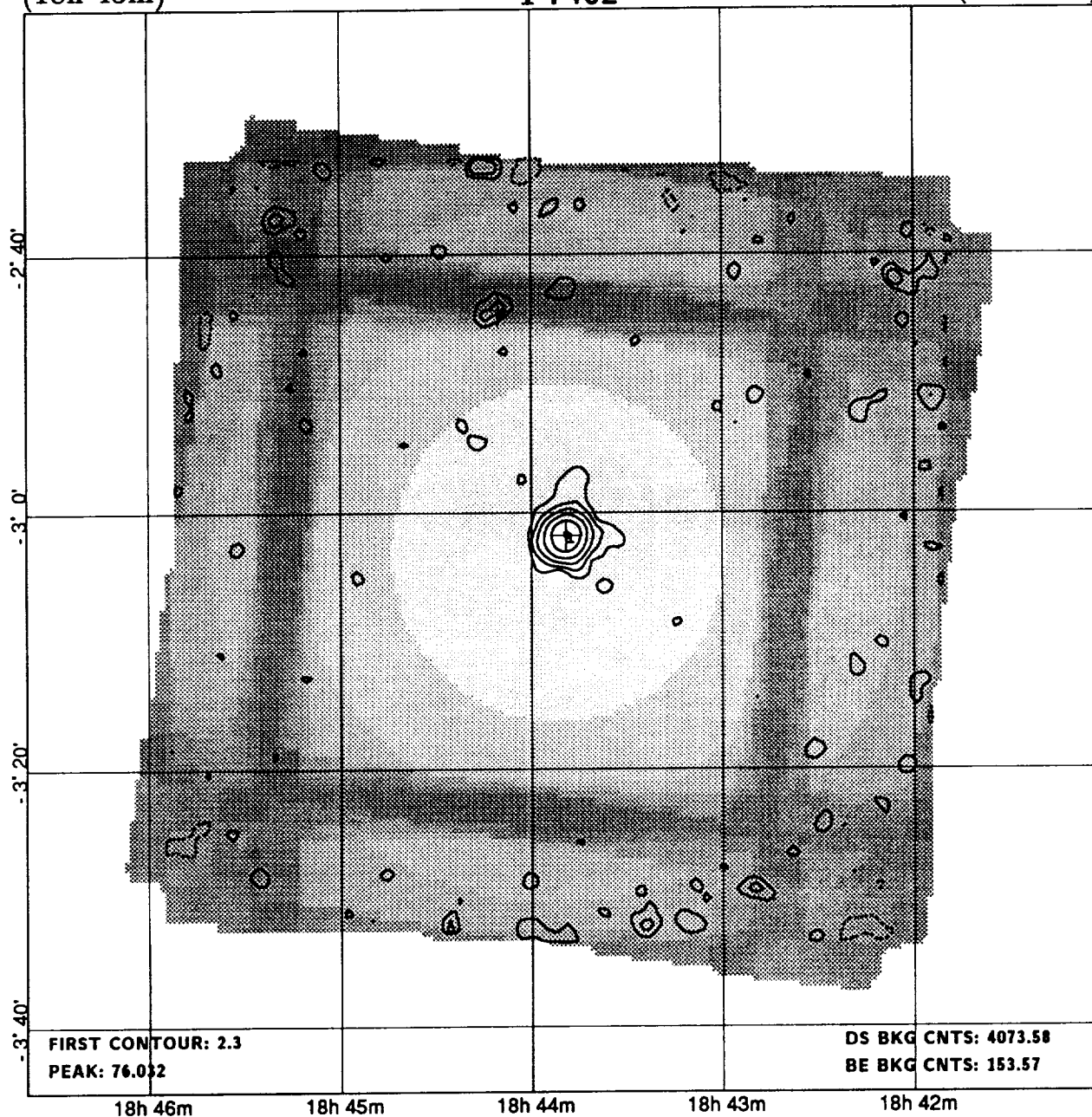
NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4126	1L	18 42 54.4	20 36 03	41	0.0079	0.0018	52.8	42.2	4.3	0.7	0	10.4	S	
4128	2L	18 43 30.5	20 29 38	31	0.0663	0.0040	506.8	164.2	16.6	1.3	0	0.4	S	

(18h 43m)

I 7462

(18h 43m)



G29.7-0.3, SMALL DIAMETER SNR

FIELD CENTER: $18^{\text{h}}43^{\text{m}}49.8^{\text{s}} -03^{\circ}02'59''$ (B1950)
 $18^{\text{h}}46^{\text{m}}27.0^{\text{s}} -02^{\circ}59'43''$ (J2000)
 $l: 29.70 \quad b: -0.26$

DATE: 1980/ 84 - 1980/105
 LIVETIME: 3419.5s

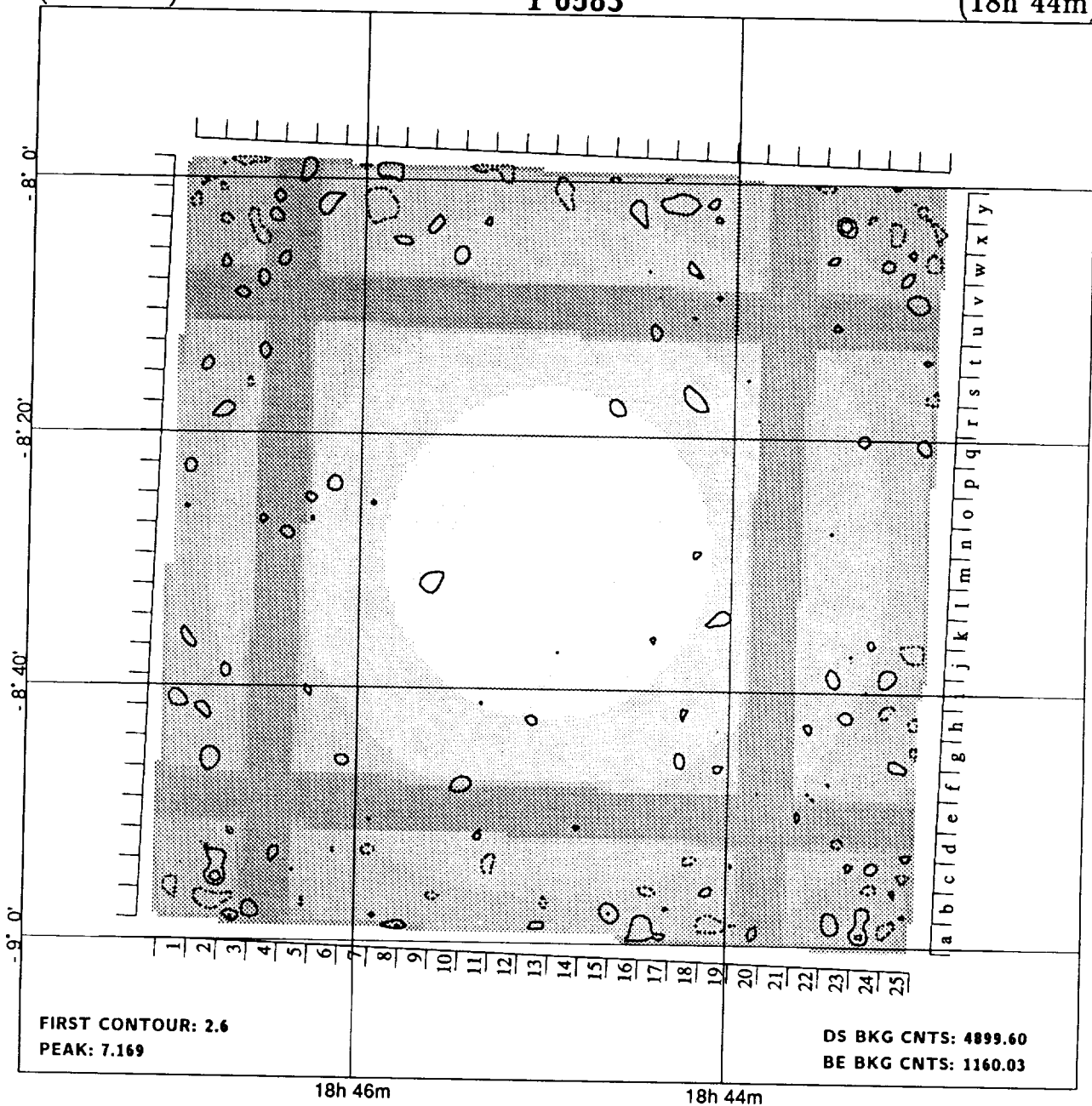
NH: $1.5\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4129	1	18 43 49.1	-03 01 47	31	0.1309 0.0073	331.7	10.3	17.9	1.4	0	1.2	H	SNR
4131	2	18 44 10.4	-02 44 20	58	*0.0092 0.0026	16.5	5.5	3.5	0.8	1109	19.4	H	

(18h 44m)

I 6583

(18h 44m)



FIELD CENTER: $18^{\text{h}}44^{\text{m}}56.4^{\text{s}}$ $-08^{\circ}28'51''$ (B1950)
 $18^{\text{h}}47^{\text{m}}40.0^{\text{s}}$ $-08^{\circ}25'30''$ (J2000)
 $l: 25.00$ $b: -3.00$

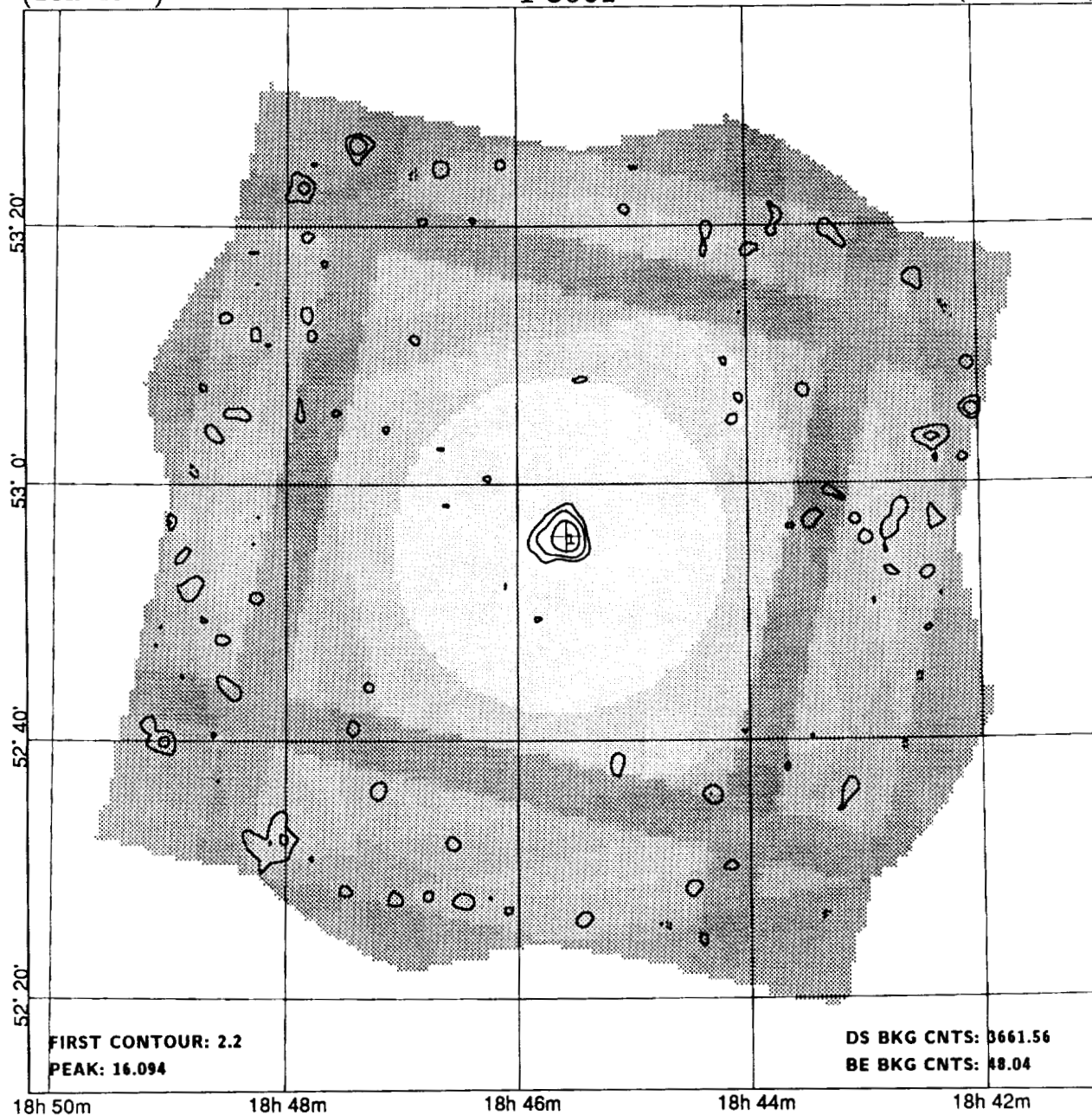
DATE: 1980/ 80 - 1980/ 81
 LIVETIME: 4112.9s
 ROLL ANGLE: -88.2°

NH: $7.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(18h 45m)

I 5061

(18h 45m)



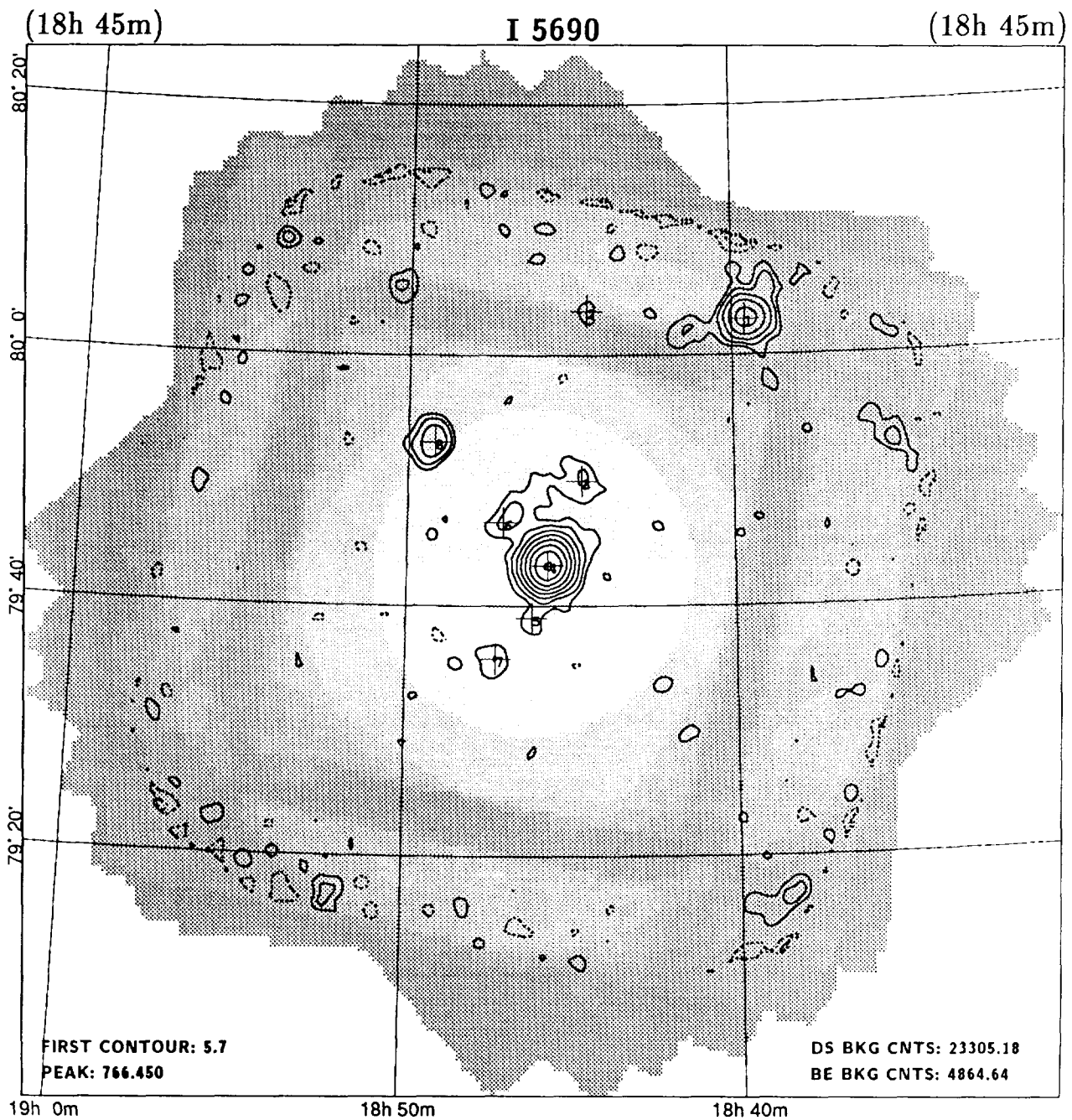
CX DRA, ACTIVE CLOSE BINARY STARS

FIELD CENTER: $18^{\text{h}}45^{\text{m}}35.9^{\text{s}}$ $52^{\circ}54'59''$ (B1950)
 $18^{\text{h}}46^{\text{m}}43.0^{\text{s}}$ $52^{\circ}58'20''$ (J2000)
 ℓ : 82.43 b : 22.03

DATE: 1979/355 - 1980/197
 LIVETIME: 2967.1s

NH: $4.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4135	1	18 45 34.6	52 56 01	32	0.0314	0.0040	69.4	8.6	7.9	1.3	0	0.9	H	S



STUDY OF VARIABILITY: 3C 390.3

FIELD CENTER: $18^h 45^m 52.8^s$ $79^\circ 42' 47''$ (B1950)
 $18^h 42^m 24.4^s$ $79^\circ 45' 59''$ (J2000)
 $l: 111.43$ $b: 27.06$

DATE: 1980/ 1 - 1980/124
 LIVETIME: 18884.8s

NH: $4.4E+20$

REF/ID:

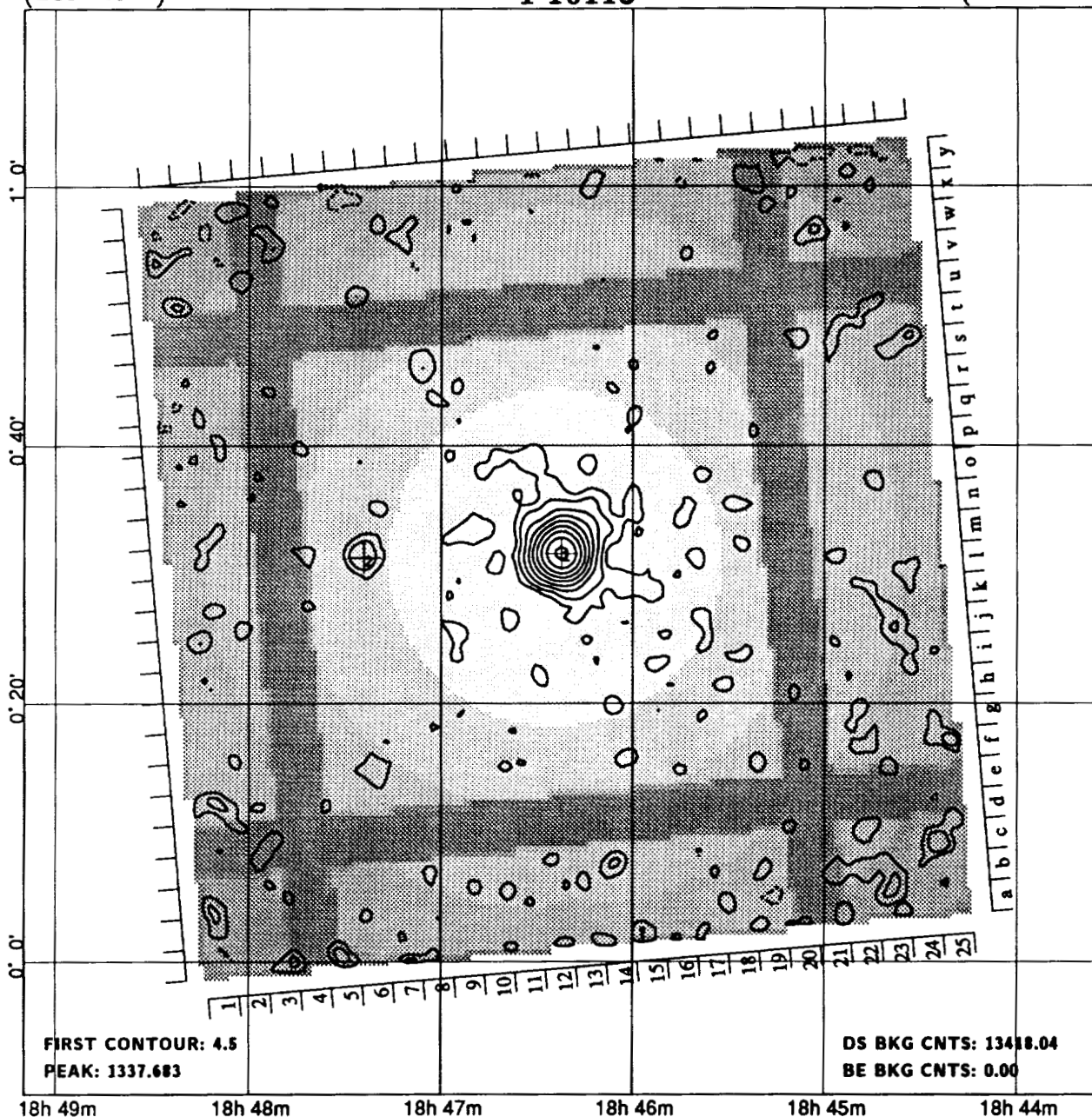
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4120	1	18 39 36.3	80 02 48	47	0.0395	0.0024	303.4	42.6	16.3	1.4	0	26.0	H	
4133	2	18 44 31.4	80 03 30	56	*0.00297	0.00084	27.4	32.6	3.5	0.3	1109	20.9		
4134	3	18 44 40.2	79 50 01	42	0.00432	0.00085	55.9	66.1	5.1	64.4	0	7.4	H	
4136	4	18 45 41.8	79 43 13	31	0.2246	0.0040	3152.2	73.8	55.5	1.3	0	0.6	H	G
4137	5	18 46 10.2	79 39 02	36	0.00277	0.00079	38.0	80.0	3.5	88.2	0	3.7	H	
4141	6	18 47 03.8	79 46 40	42	0.00446	0.00086	60.4	74.6	5.2	52.3	0	5.4	H	
4142	7	18 47 16.5	79 35 45	42	0.00386	0.00085	50.5	74.5	4.5	0.8	0	7.7	H	
4148	8	18 49 11.3	79 53 06	38	0.0139	0.0013	162.5	58.5	10.9	1.1	0	13.6	H	S

(18h 46m)

I 10113

(18h 46m)



V 603 AQUILAE, PHASE-DEPENDENT OBS

FIELD CENTER: $18^{\text{h}}46^{\text{m}}21.8^{\text{s}}$ $00^{\circ}31'40''$ (B1950)
 $18^{\text{h}}46^{\text{m}}54.9^{\text{s}}$ $00^{\circ}35'07''$ (J2000)
 $\ell: 33.17$ $b: 0.83$

DATE: 1981/ 68 - 1981/ 69
 LIVETIME: 10873.0s
 ROLL ANGLE: -94.9°

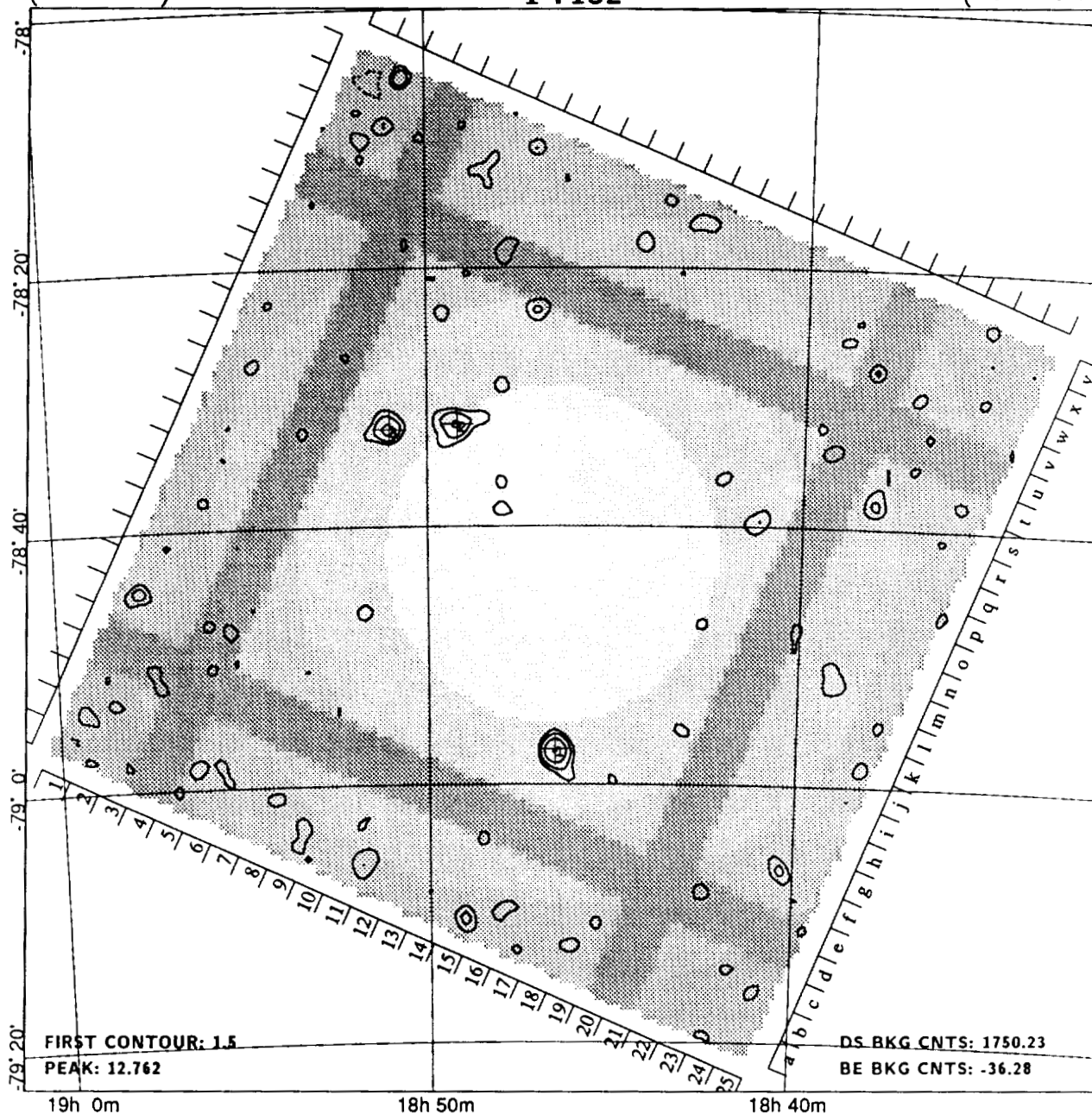
NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4138	1L	18 46 22.3	00 31 41	31	0.644	0.010	5219.3	292.7	62.8	1.2	0	0.2	A	SNR
4143	2L	18 47 24.1	00 31 21	51	0.0086	0.0017	55.5	28.5	5.0	1.0	0	15.8		

(18h 46m)

I 7152

(18h 46m)



H1846-786, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $18^h 46^m 23.7^s$ $-78^\circ 41' 59''$ (B1950) $18^h 54^m 23.1^s$ $-78^\circ 38' 20''$ (J2000) l : 315.67 b : -26.70

DATE: 1980/ 65 - 1980/ 65

LIVETIME: 1418.3s

ROLL ANGLE: -66.4°

NH: 8.6E+20

REF/ID:

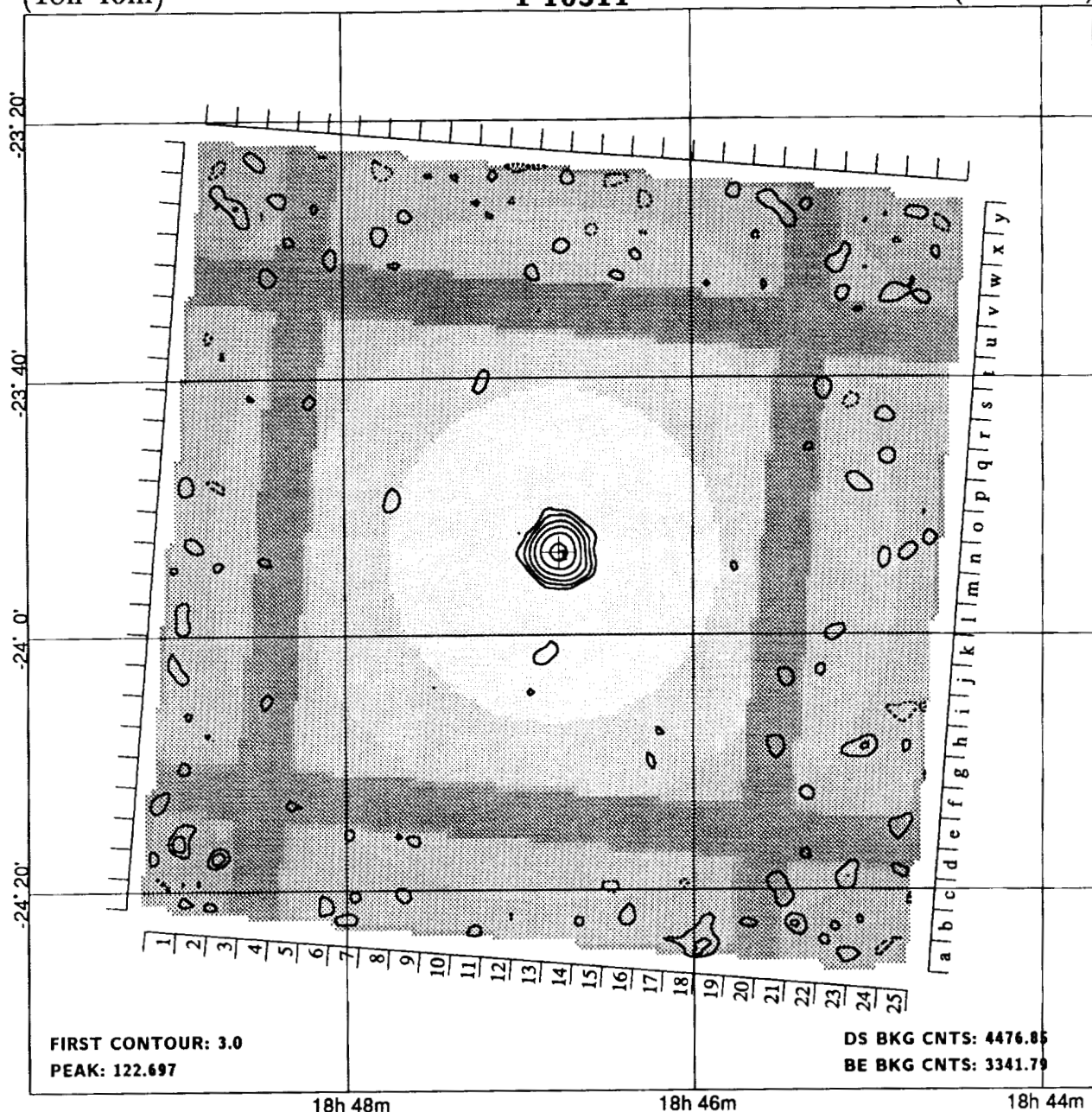
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4139	1	18 46 34.2	-78 57 16	50	0.0375	0.0071	31.3	3.7	5.3	0.9	0	15.1	H	
4149	2	18 49 12.0	-78 32 01	42	0.0210	0.0053	18.7	3.3	4.0	1.0	0	13.2	H	
4153	3	18 51 00.1	-78 32 24	51	0.0219	0.0056	17.8	3.2	3.9	0.8	0	16.9		

(18h 46m)

I 10311

(18h 46m)



G 729, SOLAR NEIGHBORHOOD FLARE STARS

FIELD CENTER: $18^h 46^m 44.8^s$ $-23^\circ 53' 29''$ (B1950)
 $18^h 49^m 47.5^s$ $-23^\circ 50' 00''$ (J2000)
 $l: 11.31$ $b: -10.28$

DATE: 1981/ 83 - 1981/ 83
 LIVETIME: 3627.7s
 ROLL ANGLE: -85.3°

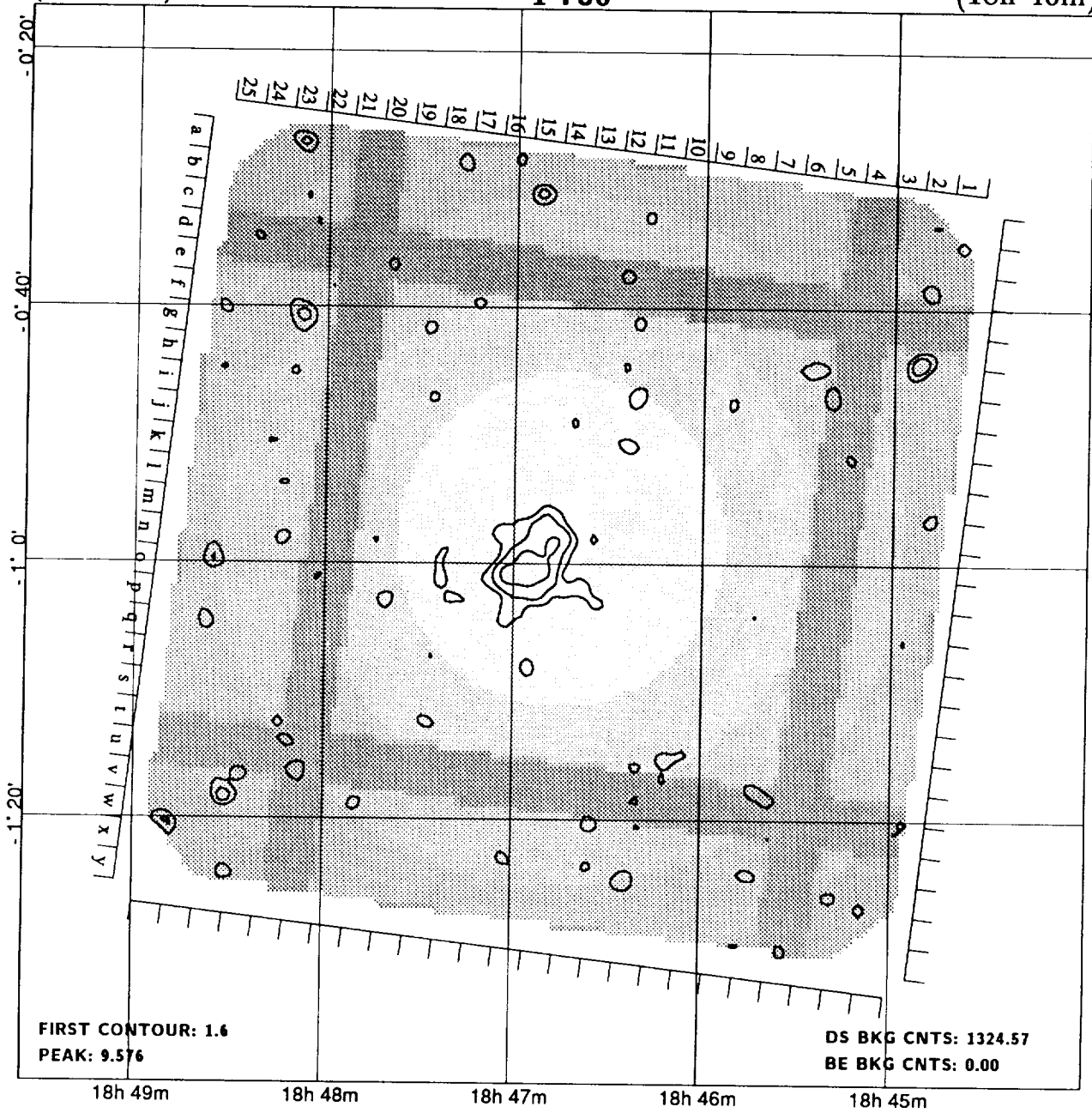
NH: $1.3E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4140	1L	18 46 46.2	-23 53 37	31	0.163	0.010	440.5	118.5	15.9	1.3	0	0.5	S

(18h 46m)

I 780

(18h 46m)



FIELD CENTER: $18^{\text{h}}46^{\text{m}}46.8^{\text{s}}$ $-00^{\circ}58'41''$ (B1950)
 $18^{\text{h}}49^{\text{m}}21.6^{\text{s}}$ $-00^{\circ}55'13''$ (J2000)
 $l: 31.88$ $b: 0.04$

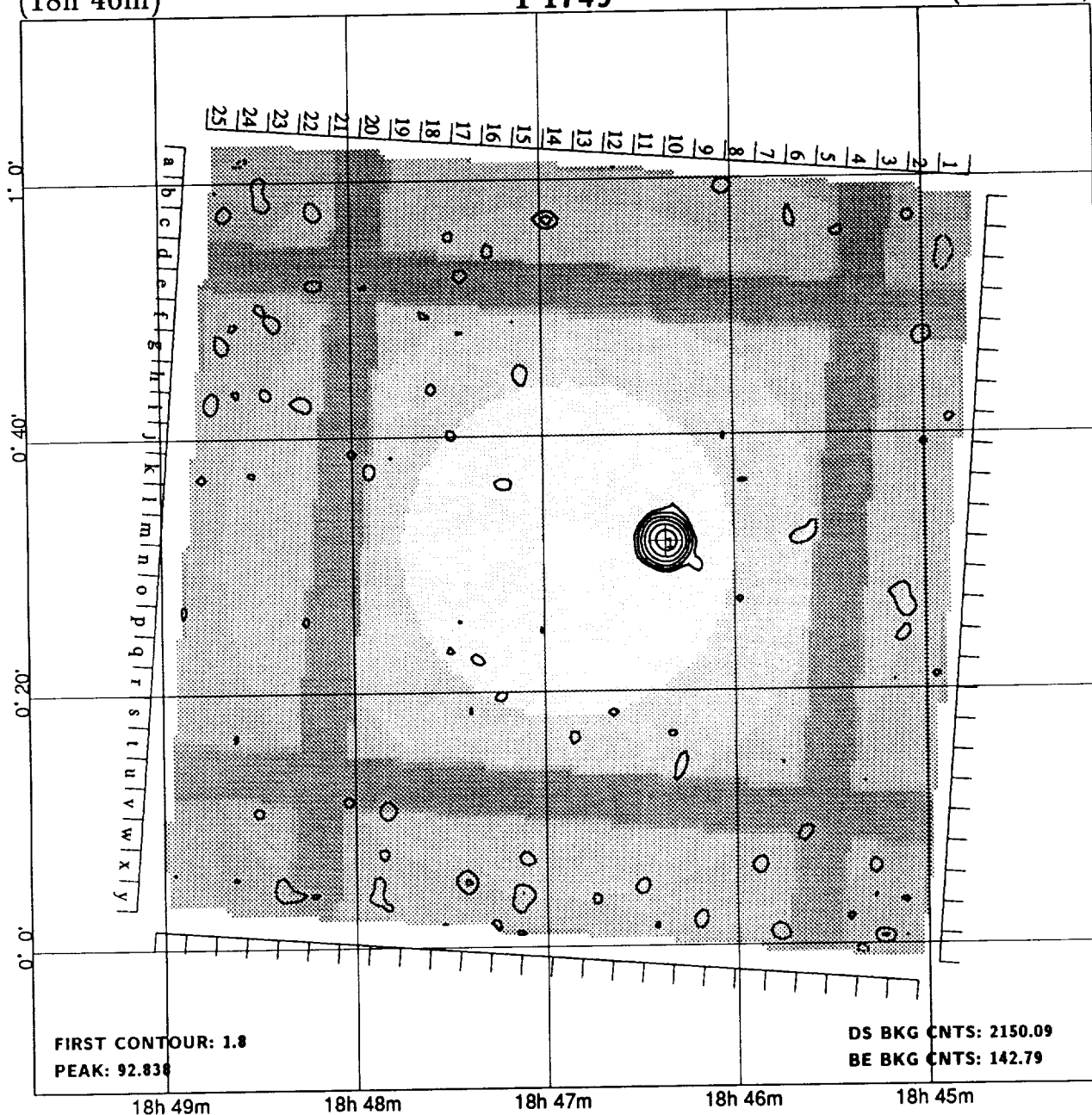
DATE: 1979/284 - 1979/284
 LIVETIME: 1073.3s
 ROLL ANGLE: 96.7°

NH: $1.5\text{E}+22$
 REF/ID: !
 FIELD FLAGS: LS

(18h 46m)

I 1749

(18h 46m)



FIELD CENTER: $18^h 46^m 53.7^s$ $00^\circ 30' 57''$ (B1950)
 $18^h 49^m 26.9^s$ $00^\circ 34' 26''$ (J2000)
 $l: 33.22$ $b: 0.70$

DATE: 1979/294 - 1979/294
 LIVETIME: 1742.3s
 ROLL ANGLE: 94.3°

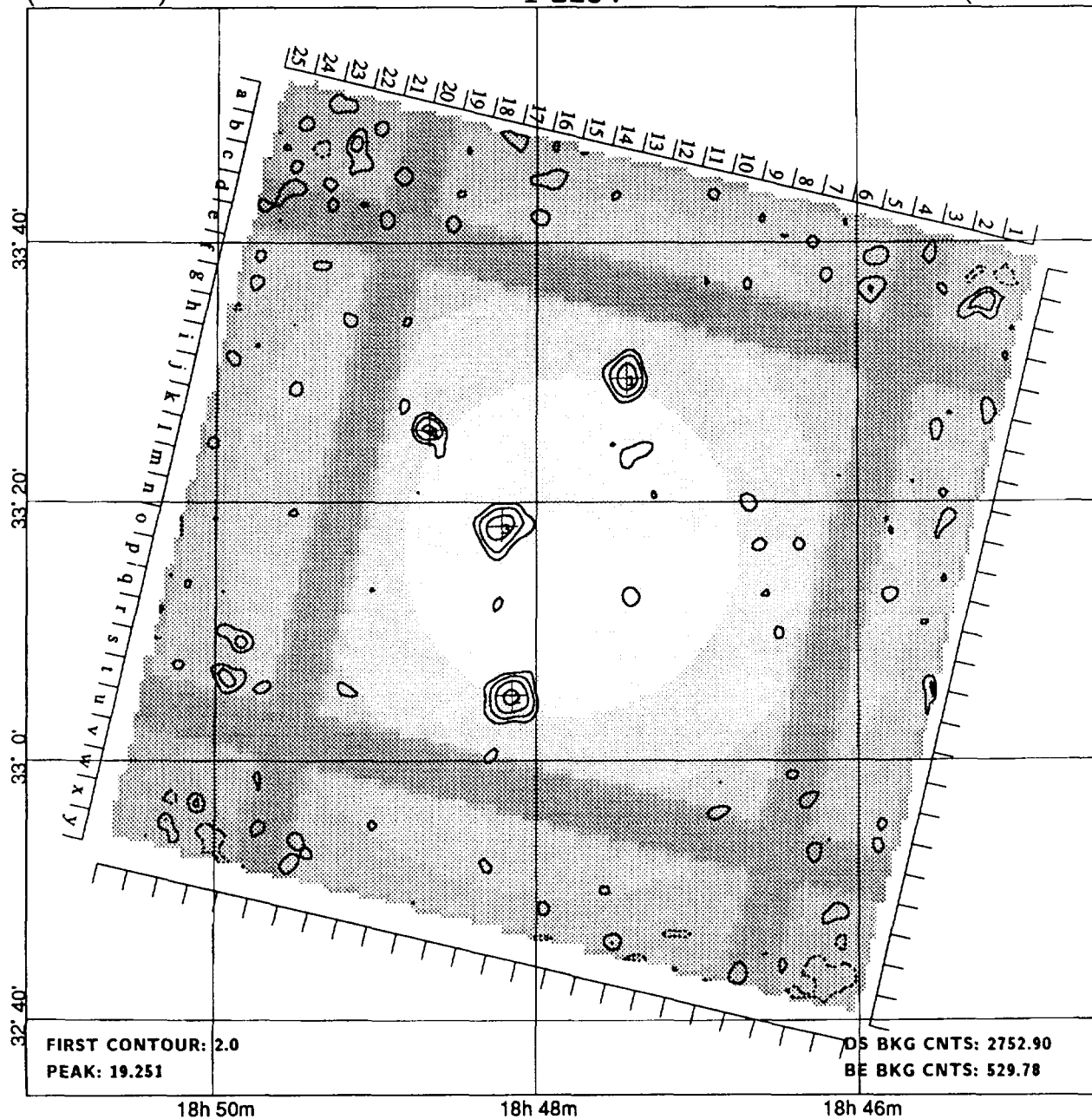
NH: $1.3E+22$
 REF/ID:
 FIELD FLAGS:

CAT	FLD	RA	DEC	\pm	COUNT	\pm	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
4138	1	18 46 21.5	00 31 42	38	0.287	0.016	345.2	5.8	18.4	1.0	0	8.2	AH	SNR

(18h 47m)

I 2234

(18h 47m)



STELLAR SURVEY-EARLY TYPE STARS: HD174638=BETA LYR

FIELD CENTER: $18^{\text{h}}47^{\text{m}}49.8^{\text{s}}$ $33^{\circ}16'11''$ (B1950)
 $18^{\text{h}}49^{\text{m}}40.6^{\text{s}}$ $33^{\circ}19'43''$ (J2000)
 ℓ : 63.12 b : 14.85

DATE: 1979/290 - 1979/290
 LIVETIME: 2230.8s
 ROLL ANGLE: 103.3°

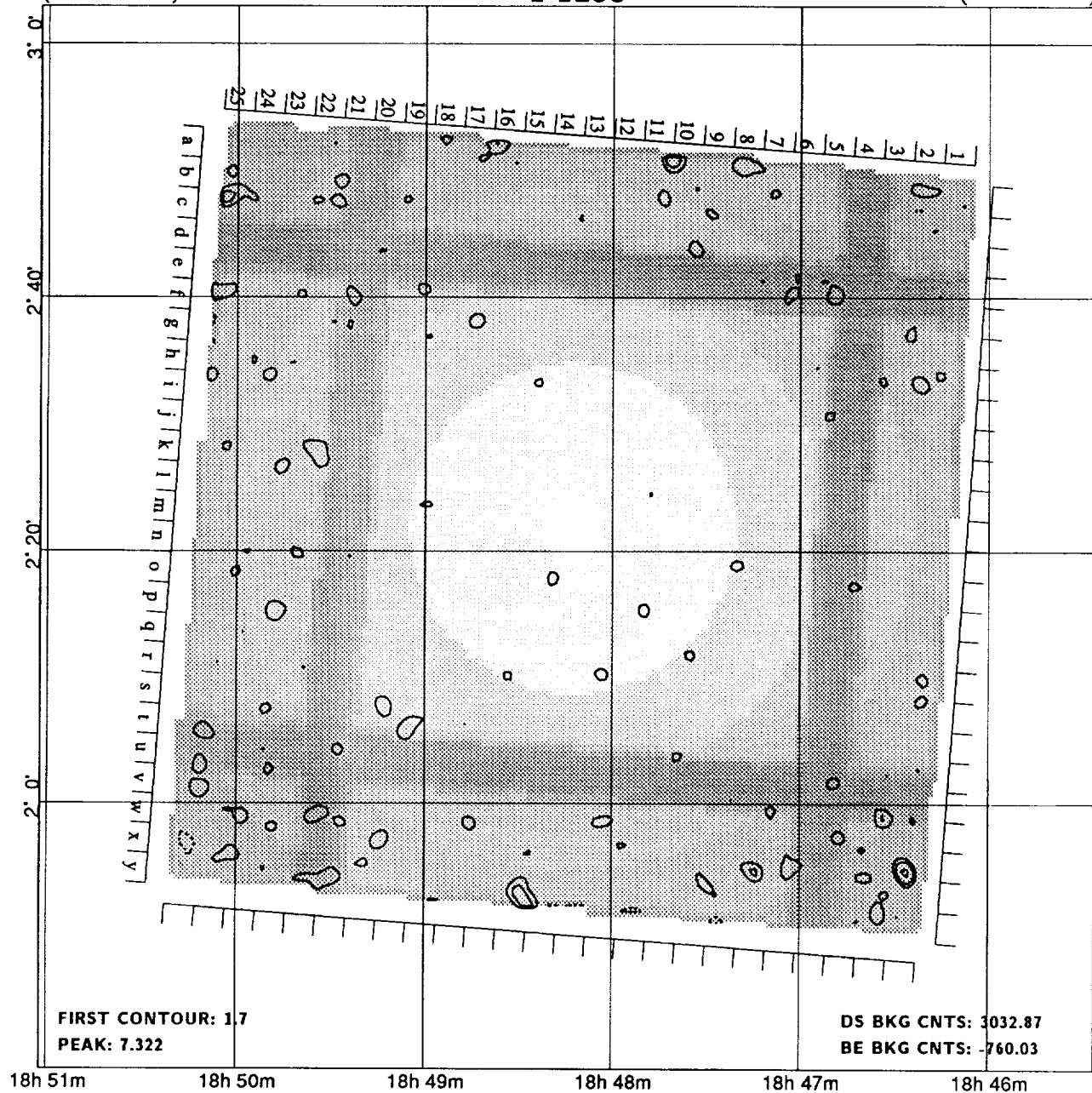
NH: $8.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4144	1	18 47 26.2	33 29 29	41	0.0313	0.0051	42.8	6.2	6.1	1.0	0	14.3	H	AGN
4145	2	18 48 09.1	33 05 01	38	0.0516	0.0063	72.9	7.1	8.1	1.1	0	11.8	H	S
4146	3	18 48 12.9	33 18 09	41	0.0373	0.0052	59.1	8.9	7.2	1.2	0	5.3	H	S
4147	4	18 48 40.1	33 25 31	42	0.0167	0.0040	22.6	6.4	4.2	0.8	0	14.2	H	

(18h 48m)

I 1258

(18h 48m)



FIELD CENTER: $18^h 48^m 14.3^s$ $02^\circ 21' 01''$ (B1950)
 $18^h 50^m 45.3^s$ $02^\circ 24' 36''$ (J2000)
 $l: 35.00$ $b: 1.25$

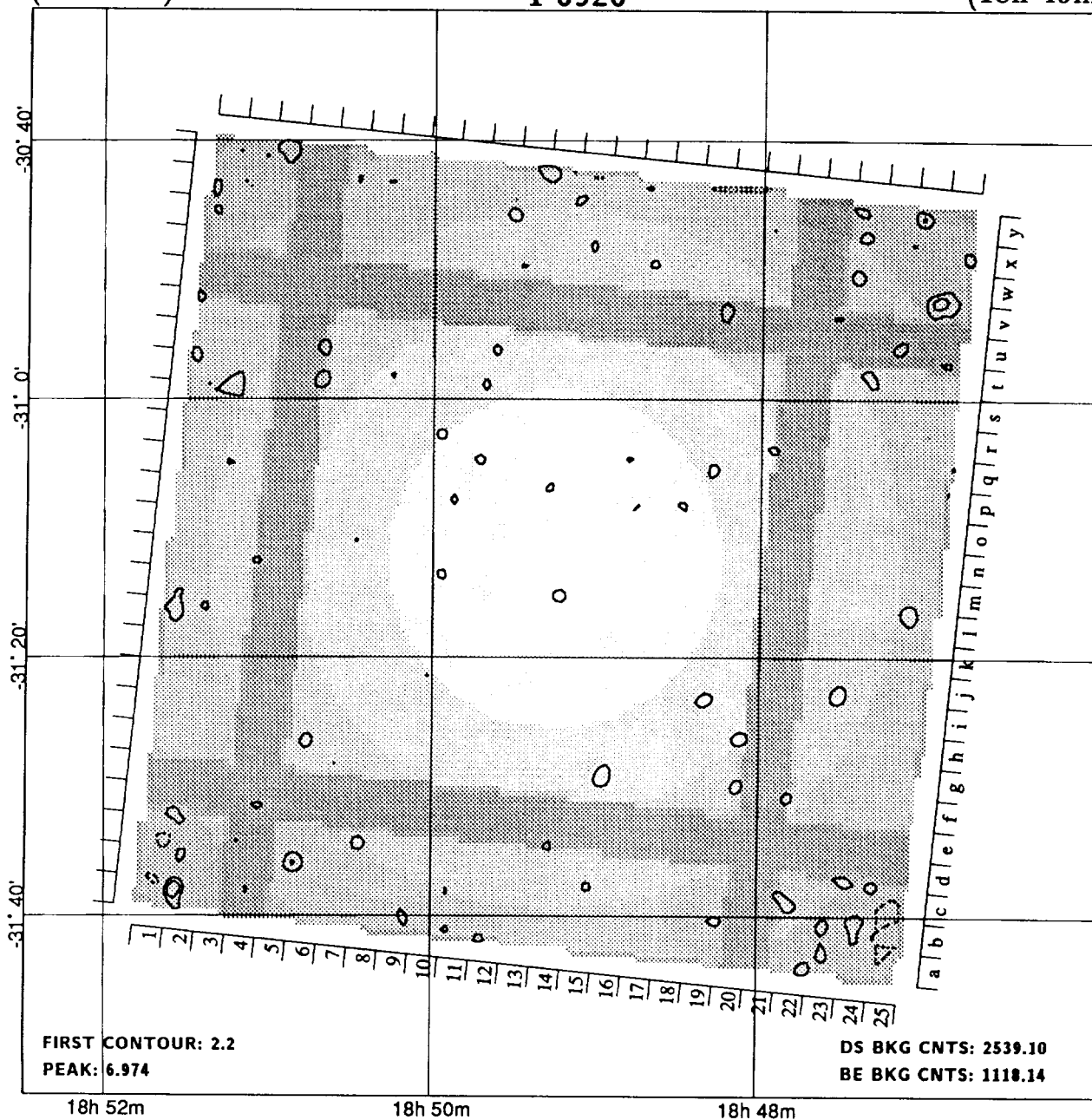
DATE: 1979/269 - 1979/269
 LIVETIME: 2457.6s
 ROLL ANGLE: 94.2°

NH: $1.1E+22$
 REF/ID:
 FIELD FLAGS:

(18h 49m)

I 6926

(18h 49m)



4U 1849-31, GALACTIC SOURCE LOCATIONS & SPECTRA I

FIELD CENTER: $18^{\text{h}}49^{\text{m}}11.8^{\text{s}}$ $-31^{\circ}11'59''$ (B1950)
 $18^{\text{h}}52^{\text{m}}25.0^{\text{s}}$ $-31^{\circ}08'19''$ (J2000)
 $l: 4.75$ $b: -13.83$

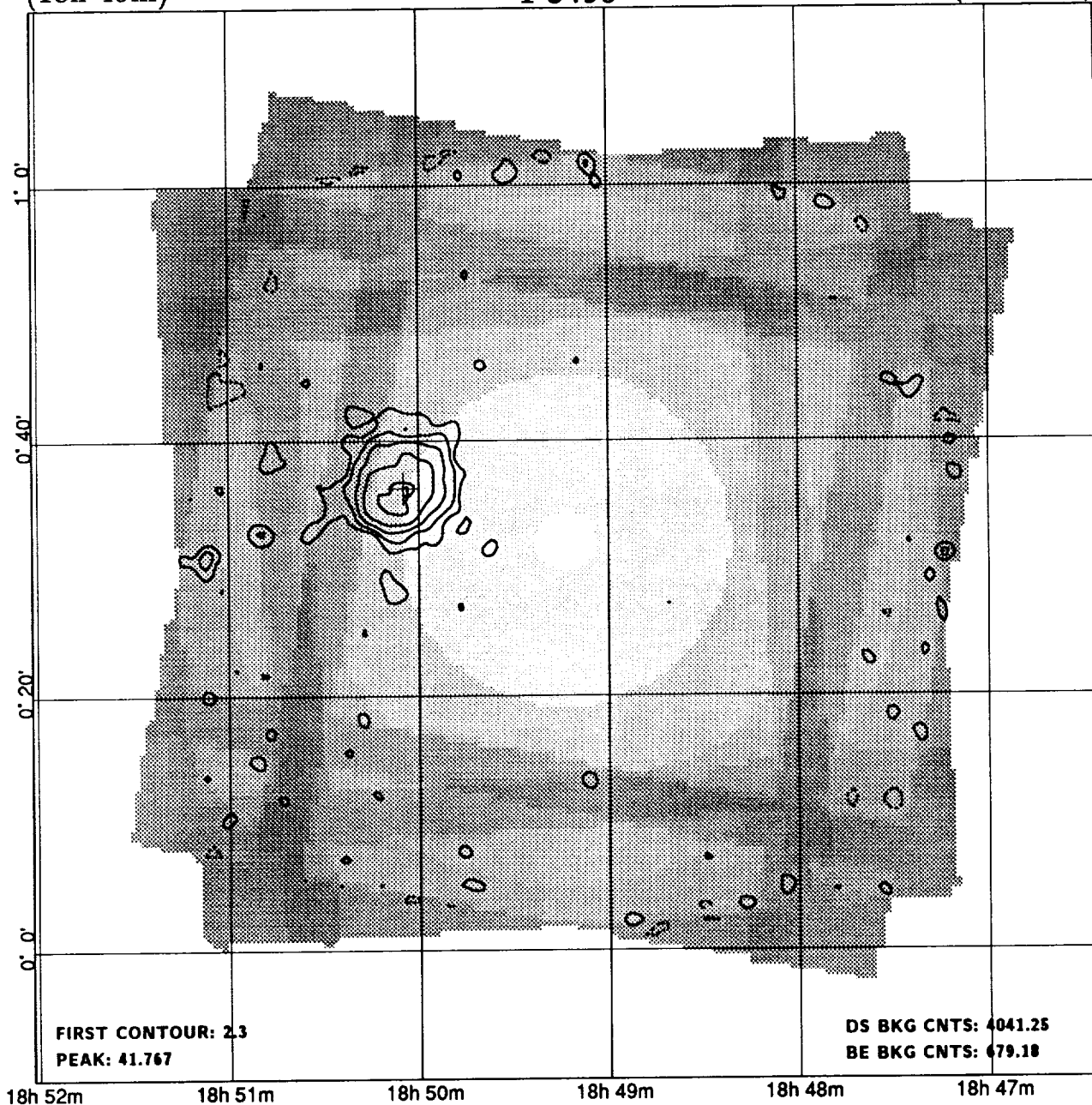
DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 2131.4s
 ROLL ANGLE: -84.4°

NH: $9.0\text{E}+20$
 REF/ID: CV
 FIELD FLAGS:

(18h 49m)

I 3490

(18h 49m)



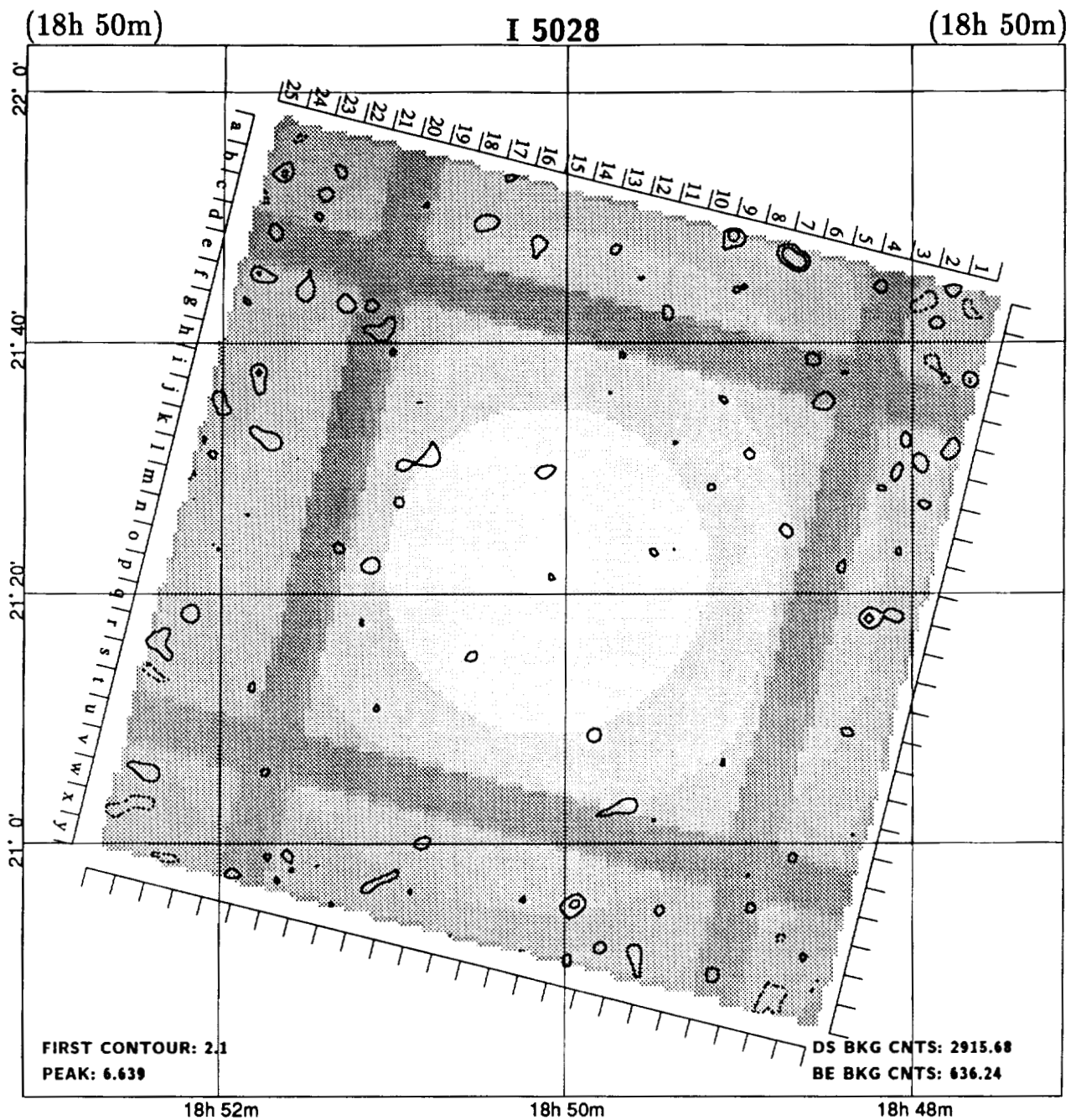
1849+005/G33.6+0.1, COMPACT RADIO SOURCE ASSOCIATED WITH SNR

FIELD CENTER: $18^h 49^m 13.8^s$ $00^\circ 31' 53''$ (B1950)
 $18^h 51^m 46.9^s$ $00^\circ 35' 33''$ (J2000)
 $l: 33.50$ $b: 0.19$

DATE: 1979/ 85 - 1979/294
 LIVETIME: 3274.7s

NH: $1.1E+22$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4150	1	18 50 04.9	00 36 18	38	0.0860	0.0067	173.6	10.4	12.8	4.0	0	13.4	H	



STAR 112 HER

FIELD CENTER: $18^h 50^m 08.0^s$ $21^\circ 21' 48''$ (B1950)
 $18^h 52^m 16.3^s$ $21^\circ 25' 31''$ (J2000)
 l : 52.27 b : 9.41

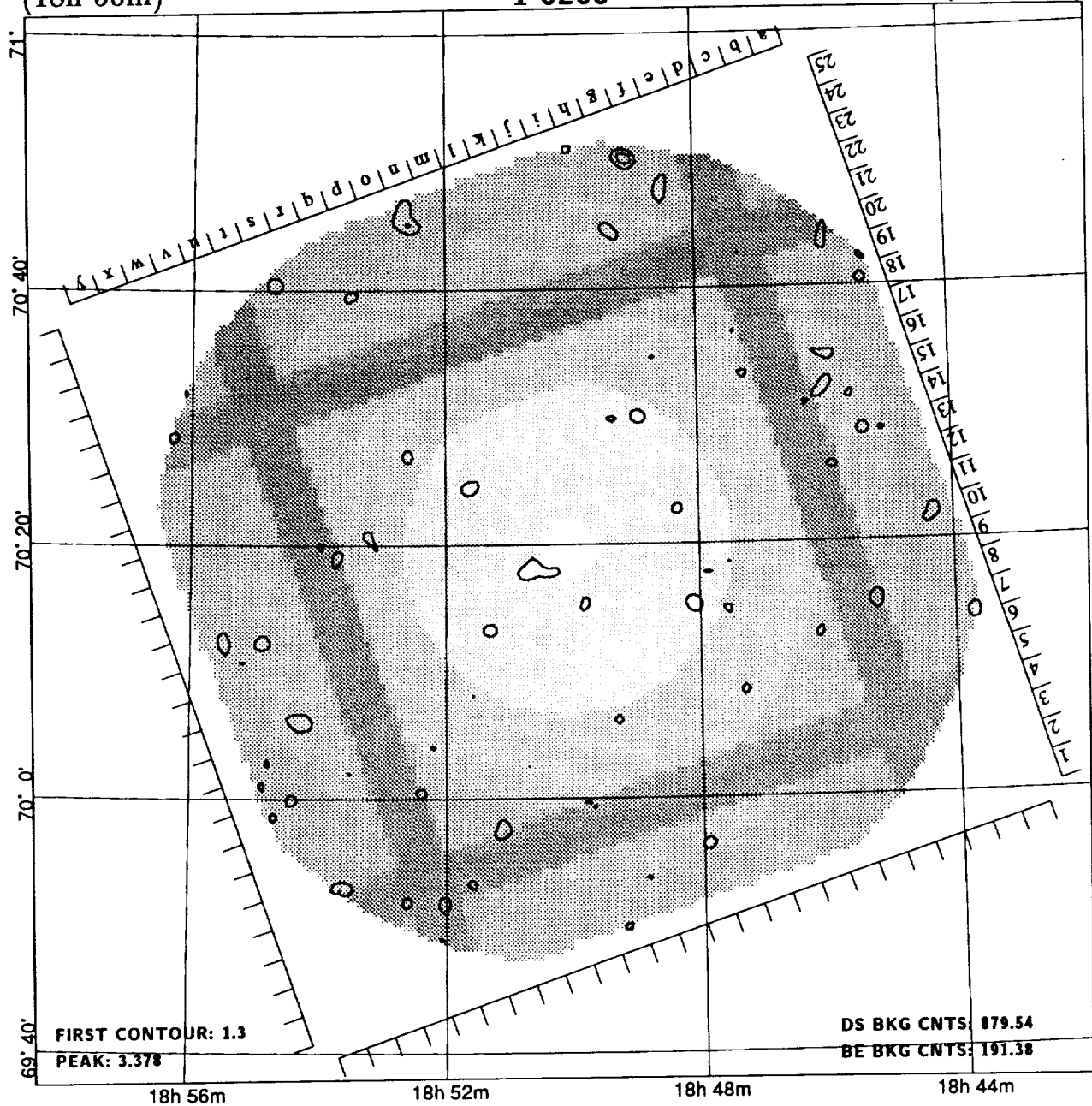
DATE: 1979/293 - 1979/293
 LIVETIME: 2362.7s
 ROLL ANGLE: 103.9°

NH: $1.8E+21$
 REF/ID:
 FIELD FLAGS:

(18h 50m)

I 6268

(18h 50m)



A 2311, COMPLETE SURVEY OF ABELL CLUSTERS

FIELD CENTER: $18^h 50^m 11.8^s$ $70^\circ 19' 59''$ (B1950)
 $18^h 49^m 42.8^s$ $70^\circ 23' 36''$ (J2000)
 l : 101.09 b : 25.58

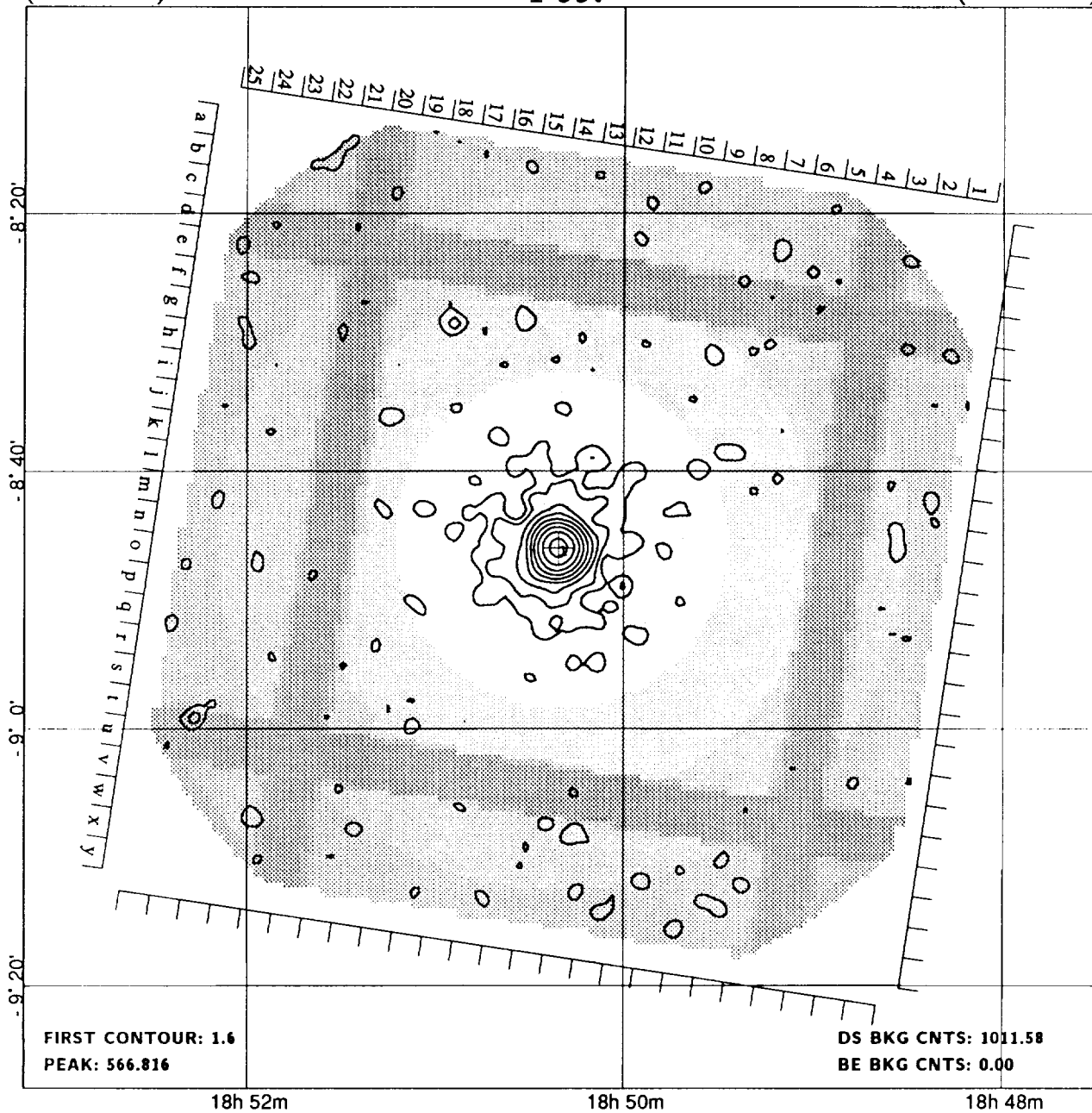
DATE: 1980/349 - 1980/349
 LIVETIME: 712.7s
 ROLL ANGLE: 161.0°

NH: $6.5E+20$
 REF/ID:
 FIELD FLAGS:

(18h 50m)

I 997

(18h 50m)



4U 1850-08, GALACTIC SOURCE LOCATION AND SPECTRA

FIELD CENTER: $18^{\text{h}}50^{\text{m}}20.5^{\text{s}}$ $-08^{\circ}46'01''$ (B1950)
 $18^{\text{h}}53^{\text{m}}04.3^{\text{s}}$ $-08^{\circ}42'16''$ (J2000)
 $l: 25.36$ $b: -4.32$

DATE: 1979/293 - 1979/293
 LIVETIME: 819.7s
 ROLL ANGLE: 98.6°

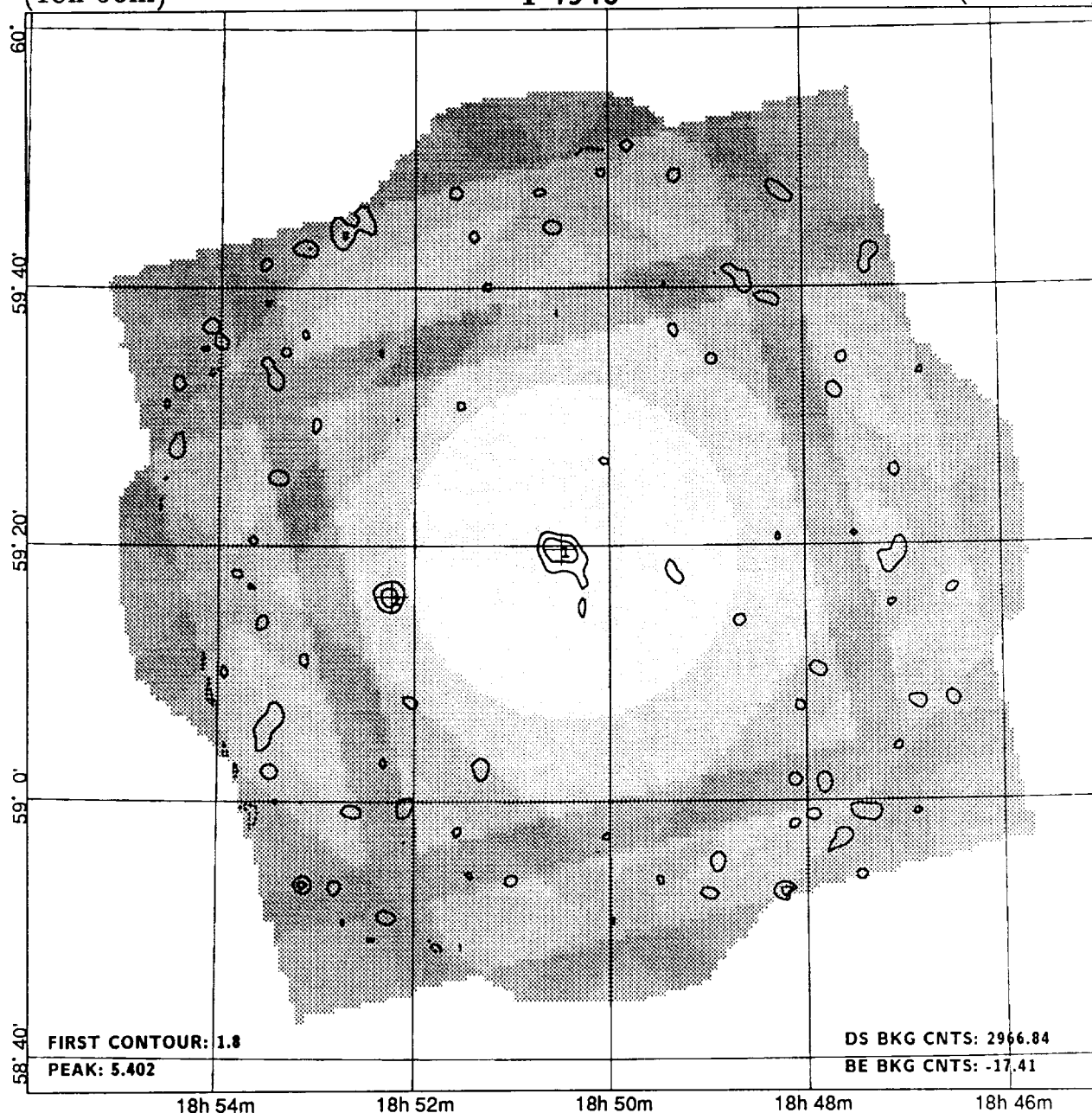
NH: $3.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4151	1L	18 50 20.7	-08 45 58	31	3.588	0.087	2193.8	86.2	41.2	1.2	0	0.1		GLB

(18h 50m)

I 4946

(18h 50m)



SELECTED SINGLE STARS: OMICRON DRA (HD 175306)

FIELD CENTER: $18^h 50^m 27.8^s$ $59^\circ 19' 35''$ (B1950)
 $18^h 51^m 11.6^s$ $59^\circ 23' 16''$ (J2000)
 $l: 89.31$ $b: 23.14$

DATE: 1979/312 - 1979/354
 LIVETIME: 2404.1s

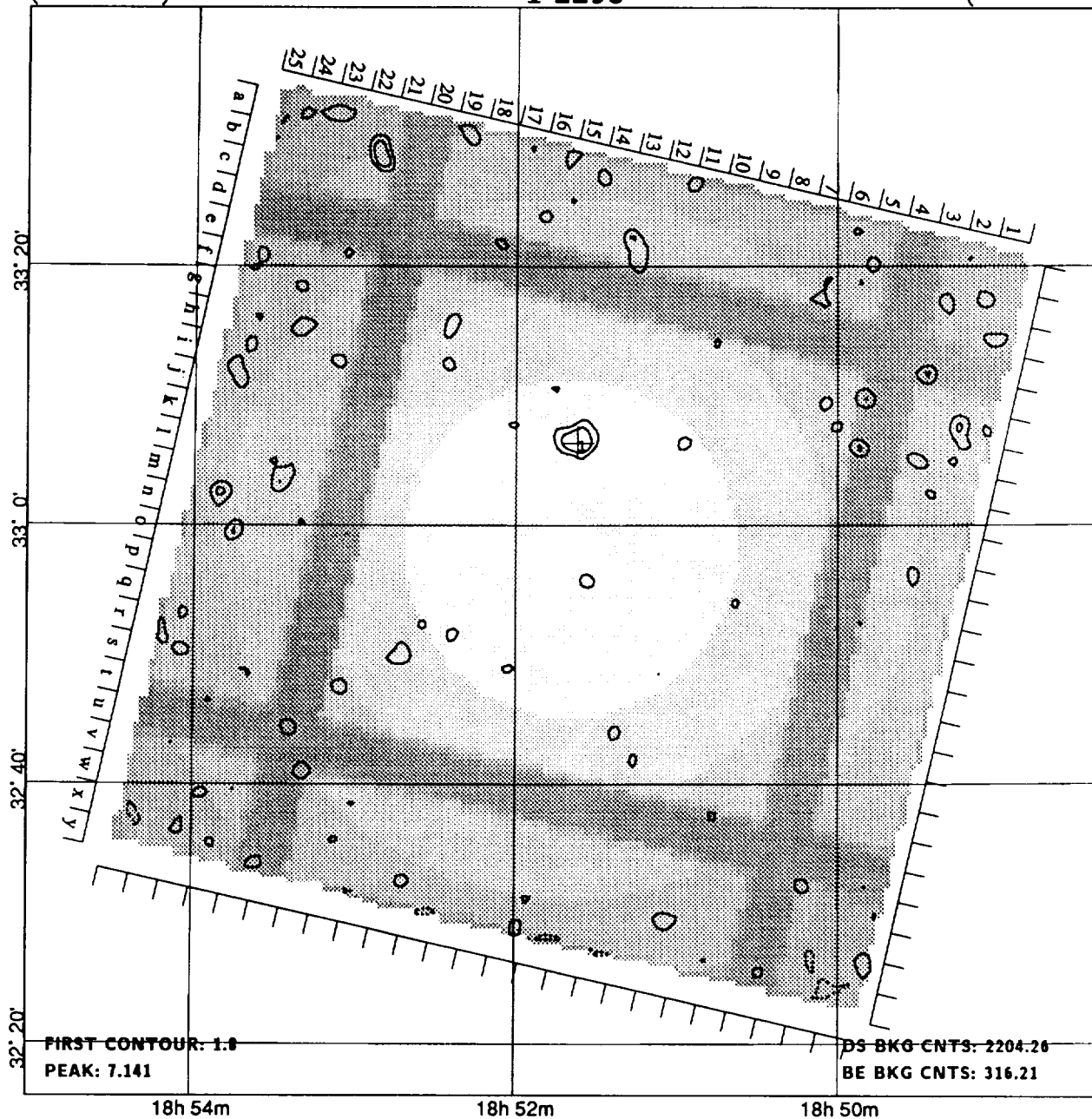
NH: $5.4E+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4152	1	18 50 29.8	59 19 44	37	0.0166	0.0034	29.6	7.4	4.9	1.6	0	1.4	H	
4158	2	18 52 14.2	59 16 01	46	0.0118	0.0033	17.0	6.0	3.5	0.7	0	14.1	H	

(18h 51m)

I 2298

(18h 51m)



STELLAR SURVEY-PLANETARY NEBULAE: NGC6720=M57

FIELD CENTER: $18^h 51^m 41.8^s$ $32^\circ 57' 59''$ (B1950)
 $18^h 53^m 33.3^s$ $33^\circ 01' 48''$ (J2000)
 $l: 63.17$ $b: 13.98$

DATE: 1979/290 - 1979/291

NH: $9.2E+20$

LIVETIME: 1786.2s

REF/ID:

ROLL ANGLE: 102.8°

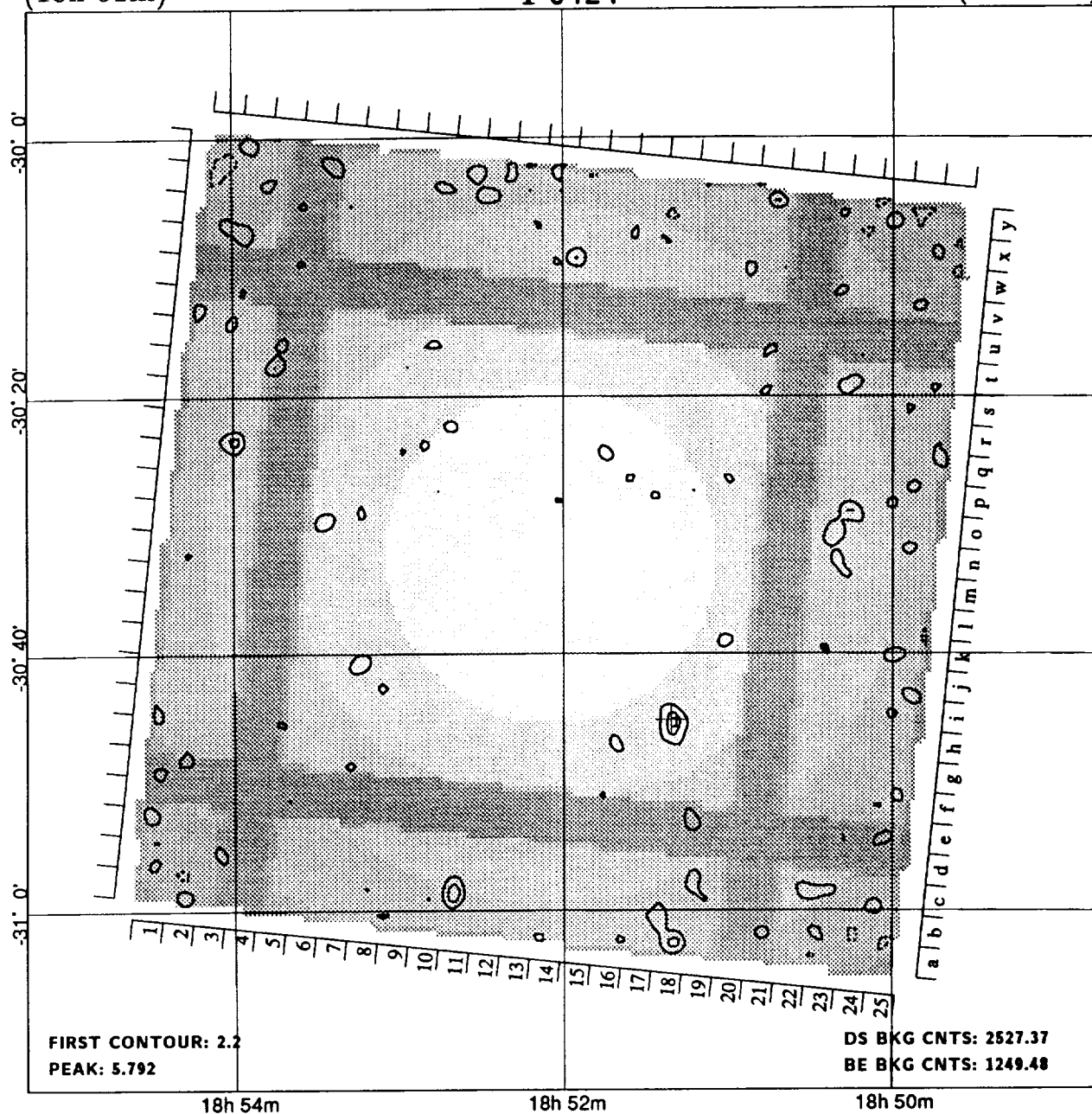
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4157	1	18 51 37.0	33 06 26	42	0.0196	0.0046	24.0	7.0	4.3	0.9	0	8.4	H	

(18h 51m)

I 6424

(18h 51m)



NGC 6715, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $18^{\text{h}}51^{\text{m}}59.8^{\text{s}}$ $-30^{\circ}31'59''$ (B1950)
 $18^{\text{h}}55^{\text{m}}11.9^{\text{s}}$ $-30^{\circ}28'07''$ (J2000)
 $l: 5.63$ $b: -14.11$

DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 2121.5s
 ROLL ANGLE: -84.1°

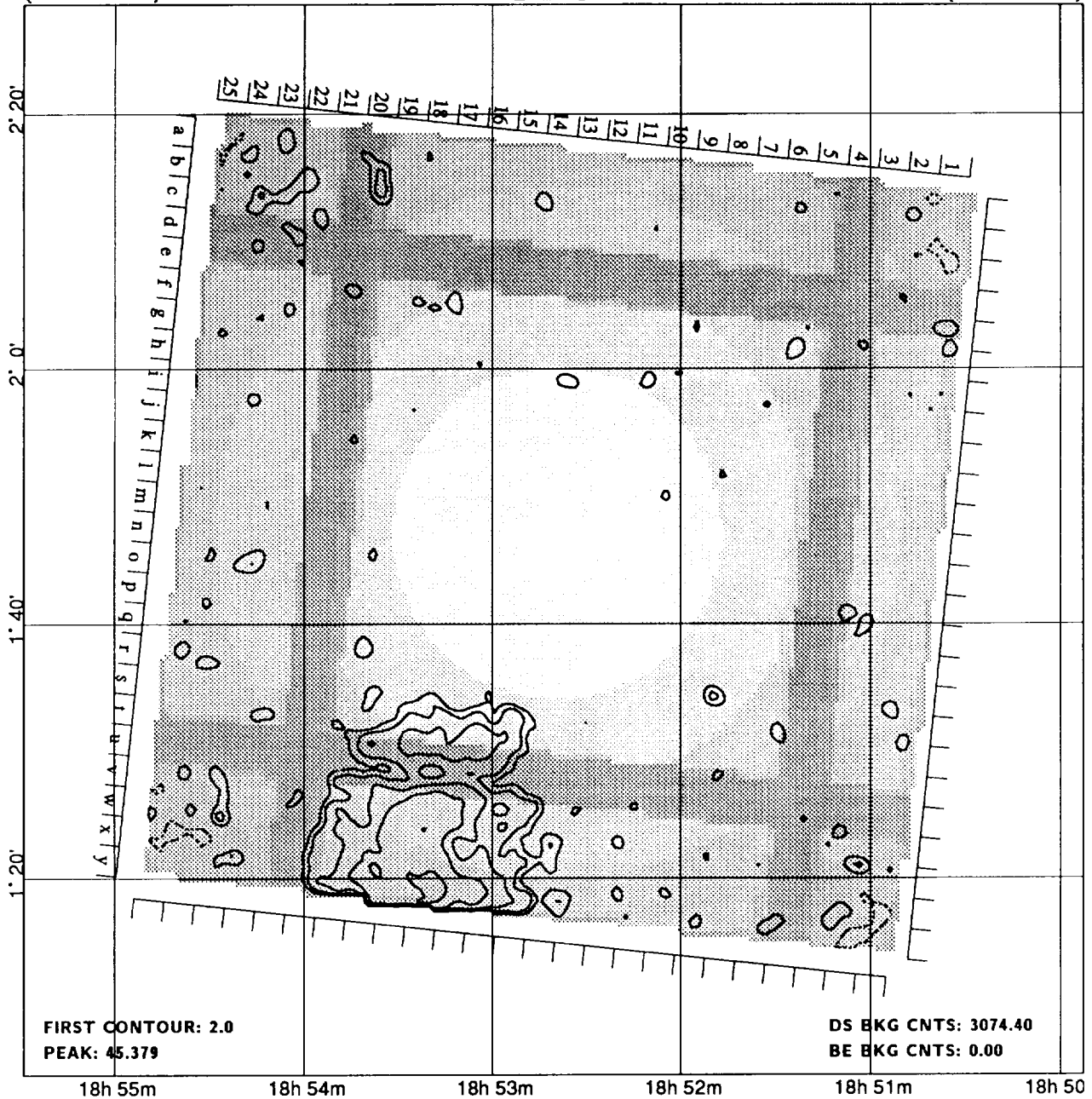
NH: $9.1\text{E}+20$
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4155	1	18 51 20.6	-30 45 08	55	0.0147	0.0041	18.0	7.0	3.6	0.8	0	15.4	H	

(18h 52m)

I 1257

(18h 52m)



35 DEGREES GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 52^m 40.9^s$ $01^\circ 46' 31''$ (B1950)
 $18^h 55^m 12.6^s$ $01^\circ 50' 25''$ (J2000)
 $l: 35.00$ $b: 0.00$

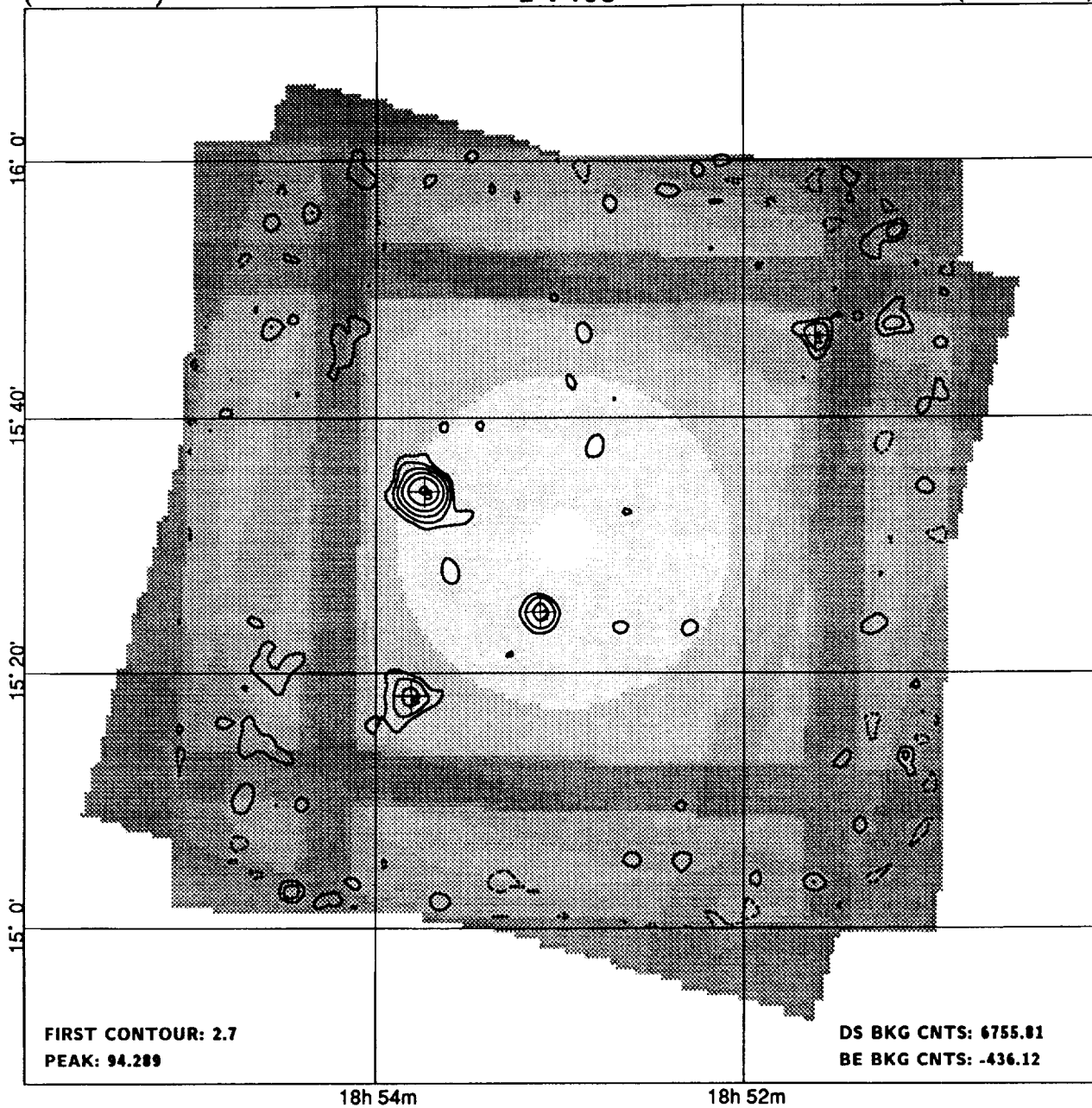
DATE: 1979/282 - 1979/282
 LIVETIME: 2491.3s
 ROLL ANGLE: 96.0°

NH: $1.1E+21$
 REF/ID:
 FIELD FLAGS: LS

(18h 52m)

I 7468

(18h 52m)



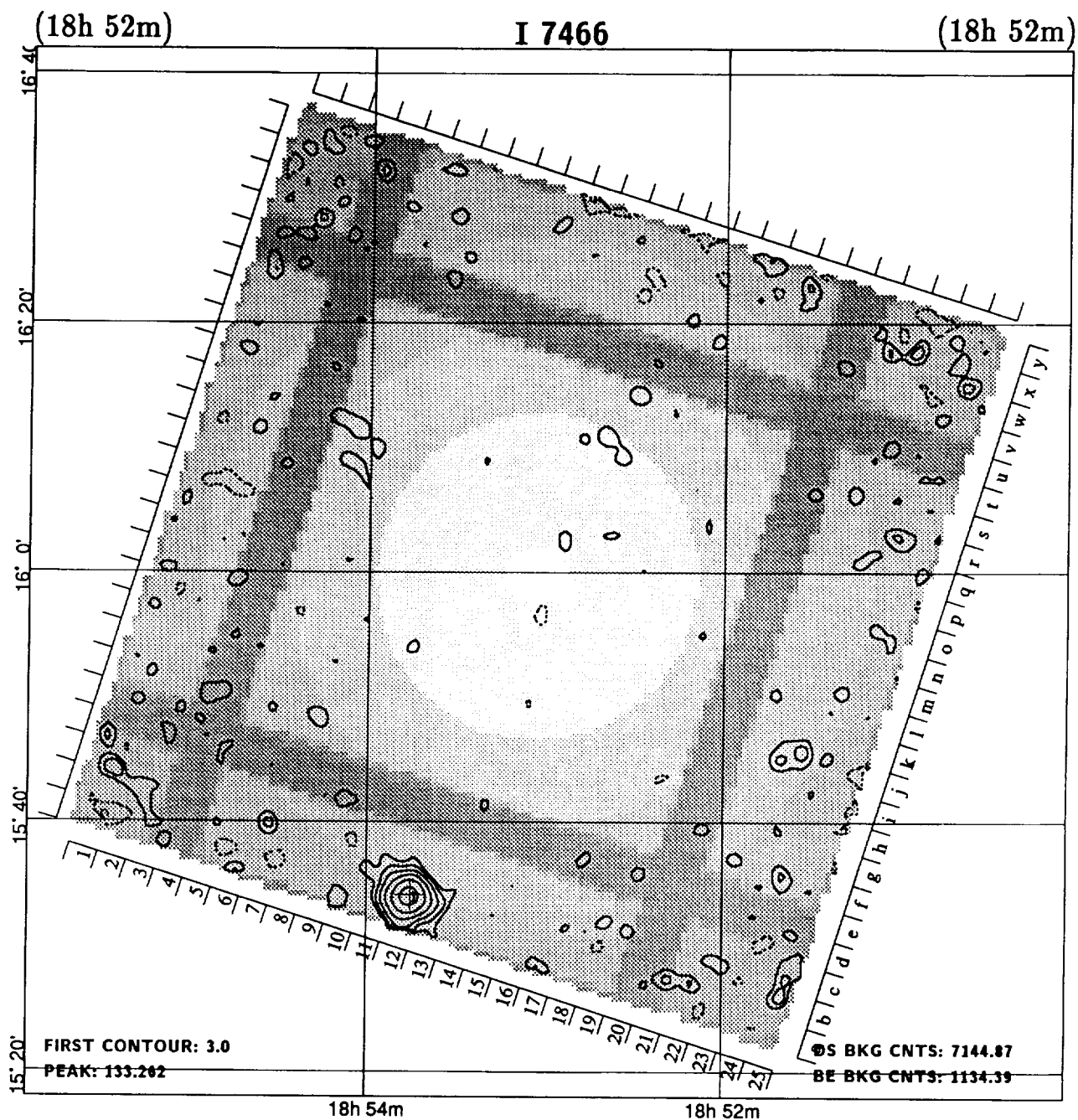
SNR CTB 63 POSITION 3

FIELD CENTER: $18^h 52^m 59.8^s$ $15^\circ 29' 59''$ (B1950)
 $18^h 55^m 15.5^s$ $15^\circ 33' 54''$ (J2000)
 $l: 47.27$ $b: 6.20$

DATE: 1980/111 - 1980/266
 LIVETIME: 5671.0s

NH: $3.4E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4156	1	18 51 36.6	15 46 16	54	*0.0090	0.0023	21.8	9.2	3.9	0.8	1205	25.6	H	
4161	2	18 53 06.4	15 24 48	41	0.0136	0.0021	54.8	15.2	6.5	0.8	0	5.5		
4164	3	18 53 44.3	15 34 14	38	0.0899	0.0050	329.7	12.3	17.8	1.2	0	11.7	AH	
4165	4	18 53 48.5	15 18 13	50	0.0138	0.0023	43.9	11.1	5.9	1.2	0	16.6	H	



SNR CTB 63 POSITION 1

FIELD CENTER: 18^h52^m59.8^s 15°59'59" (B1950)
18^h55^m14.9^s 16°03'54" (J2000)
 l : 47.72 b : 6.43

DATE: 1980/114 - 1980/114
LIVETIME: 5997.6s
ROLL ANGLE: -72.5°

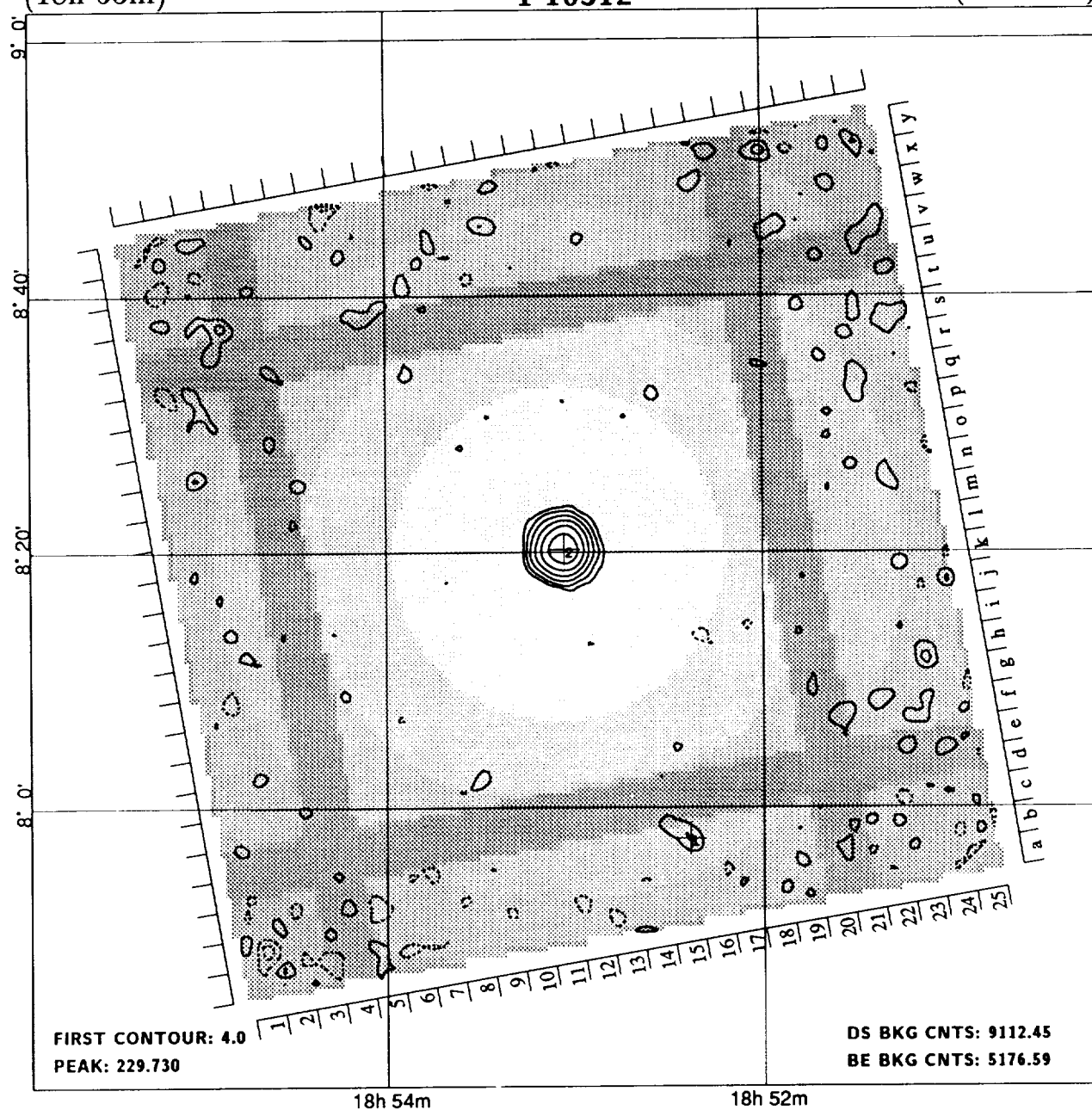
NH: 2.9E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4164	1	18 53 45.2	15 34 08	47	0.1221	0.0074	285.9	13.1	16.5	1.3	0	28.0	AH	

(18h 53m)

I 10312

(18h 53m)



G 735, SOLAR NEIGHBORHOOD FLARE STARS

FIELD CENTER: $18^h 53^m 02.8^s$ $08^\circ 20' 17''$ (B1950)
 $18^h 55^m 27.1^s$ $08^\circ 24' 13''$ (J2000)
 $l: 40.87$ $b: 2.94$

DATE: 1981/ 66 - 1981/ 66
 LIVETIME: 7384.1s
 ROLL ANGLE: -99.8°

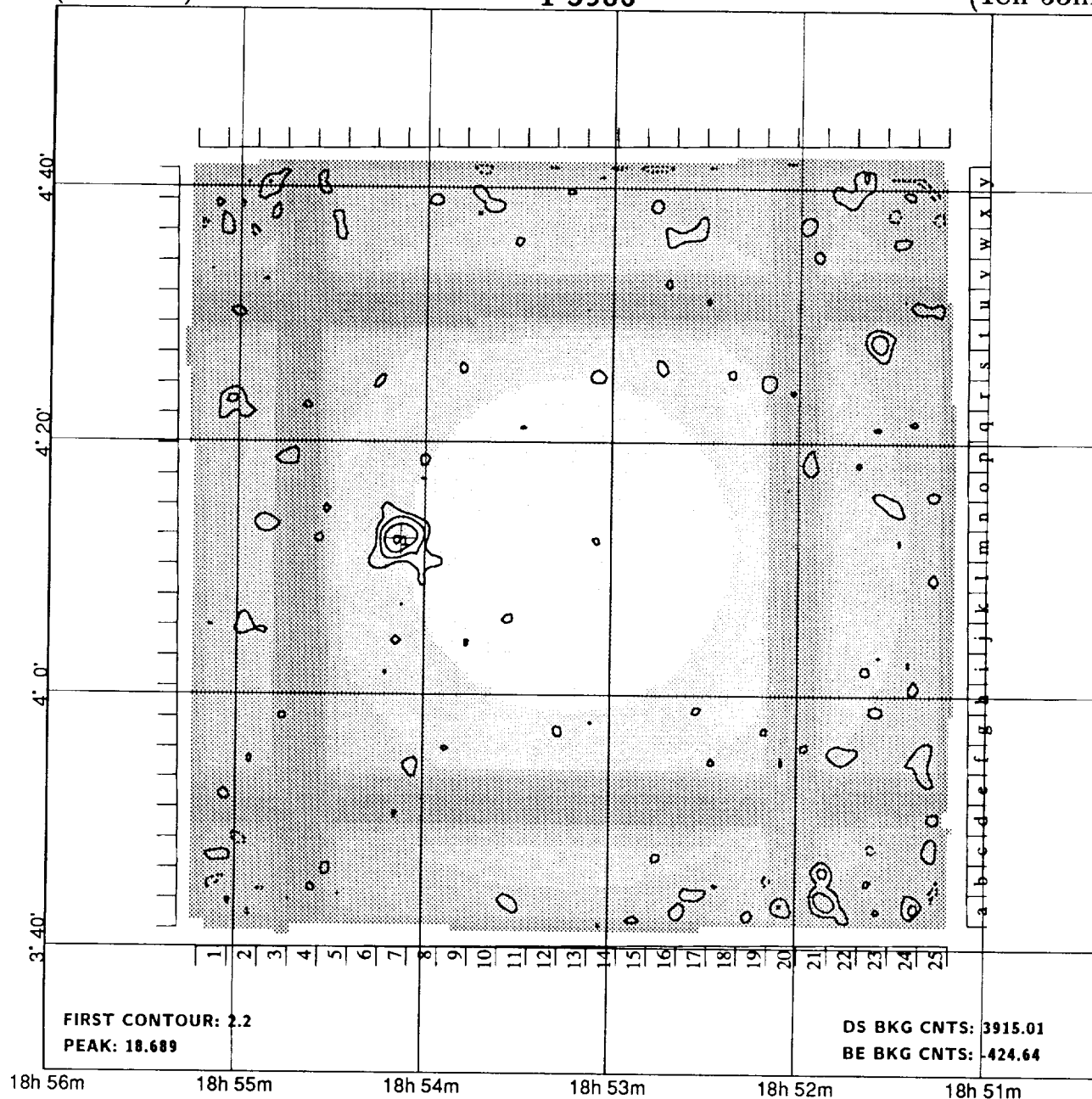
NH: $7.3E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4159	1L	18 52 23.4	07 57 36	59	*0.0117	0.0028	37.9	11.6	4.0	0.9	601	24.7		
4160	2L	18 53 03.3	08 20 12	31	0.1595	0.0069	878.1	216.9	22.8	1.4	0	0.3		S

(18h 53m)

I 5986

(18h 53m)



Chromospherically Inactive Stars: 736 (K0)

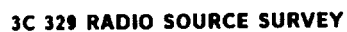
FIELD CENTER: $18^h 53^m 11.9^s$ $04^\circ 12' 05''$ (B1950)
 $18^h 55^m 40.9^s$ $04^\circ 16' 01''$ (J2000)
 $l: 37.21$ $b: 1.00$

DATE: 1980/ 81 - 1980/ 81
 LIVETIME: 3286.4s
 ROLL ANGLE: -90.5°

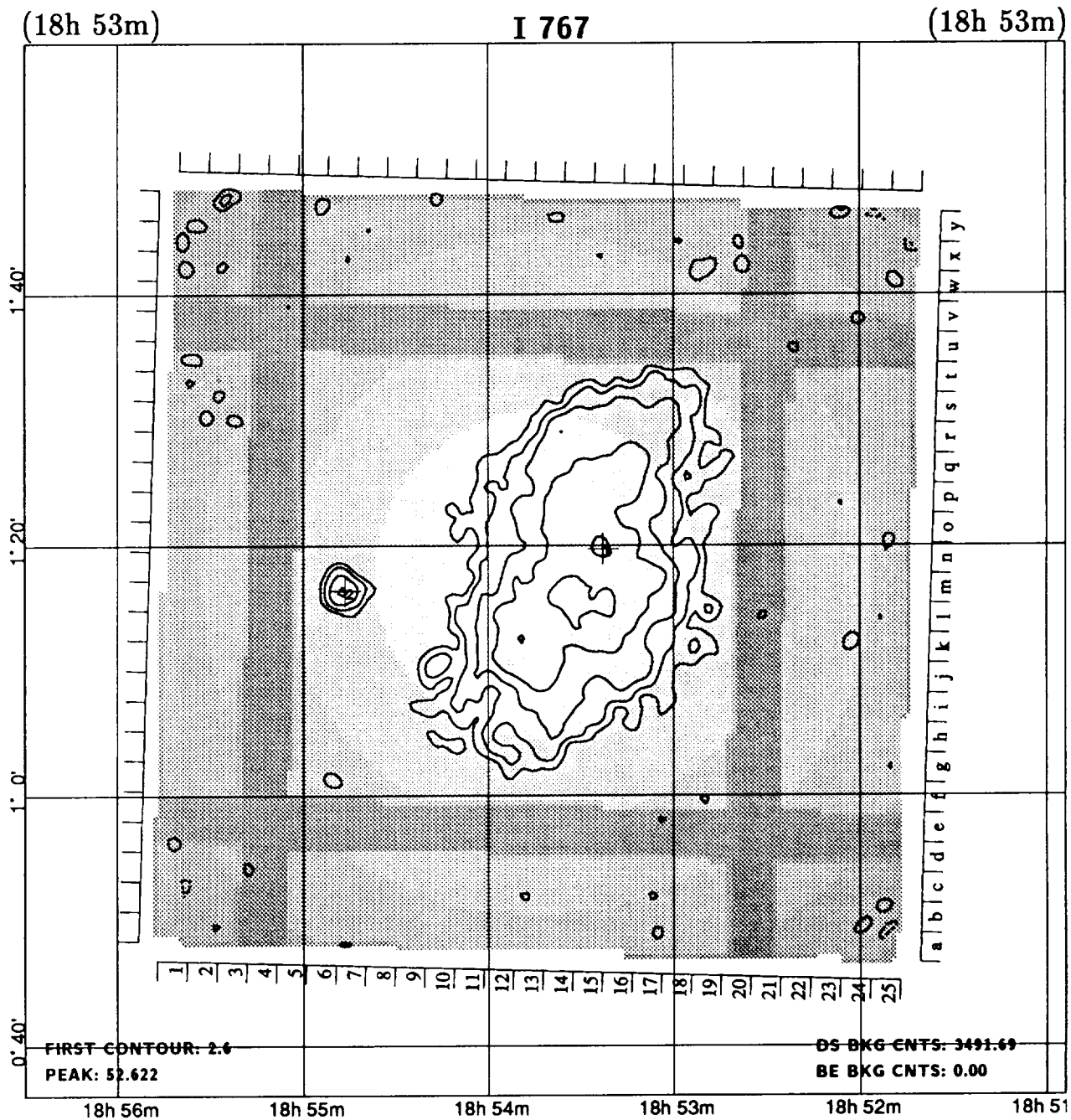
NH: $1.2E+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4167	1	18 54 07.6	04 12 16	41	0.0311	0.0041	62.9	7.1	7.5	1.3	0	14.0	H	S

(18h 53m)



NH: 1.3E+22
REF/ID:
FIELD FLAGS: LS



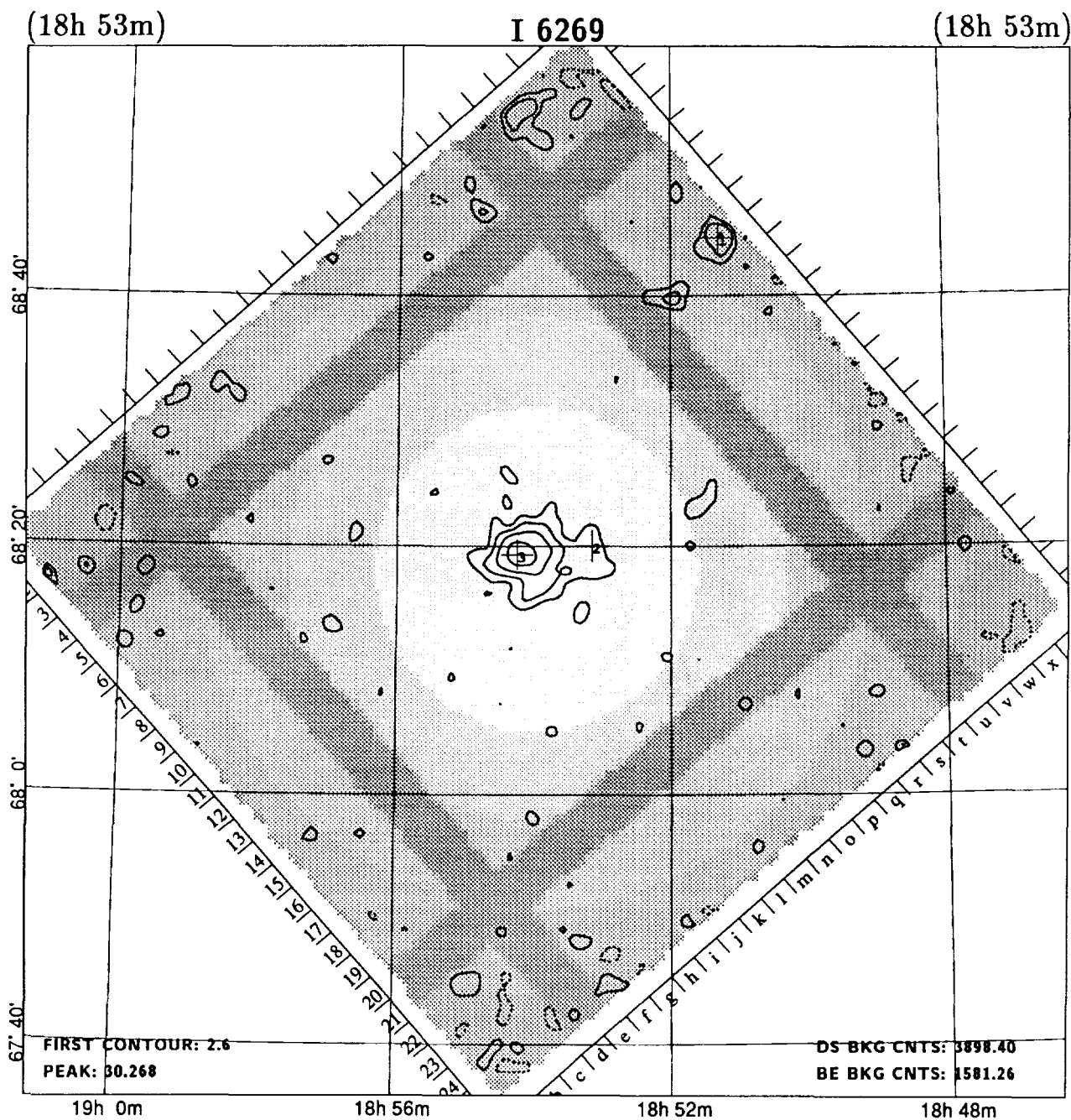
W44 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: 18^h53^m41.9^s 01°17'59" (B1950)
18^h56^m14.2^s 01°21'58" (J2000)
ℓ: 34.69 b: -0.44

DATE: 1979/ 84 - 1979/ 85
LIVETIME: 2829.4s
ROLL ANGLE: -88.3°

NH: 1.3E+22
REF/ID: SNR
FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
4163	1L	18 53 22.8	01 19 43	31	0.041	0.010	82.7	164.3	4.1	27.0	0	5.0	
4170	2L	18 54 46.5	01 16 22	50	0.0406	0.0062	67.0	13.0	6.4	1.1	0	16.3	S



A 2312, COMPLETE SURVEY OF ABELL CLUSTERS

FIELD CENTER: $18^h 53^m 47.8^s$ $68^\circ 17' 59''$ (B1950)
 $18^h 53^m 38.1^s$ $68^\circ 21' 52''$ (J2000)
 $l: 98.95$ $b: 24.88$

DATE: 1980/143 - 1980/143
 LIVETIME: 3159.0s
 ROLL ANGLE: -41.2°

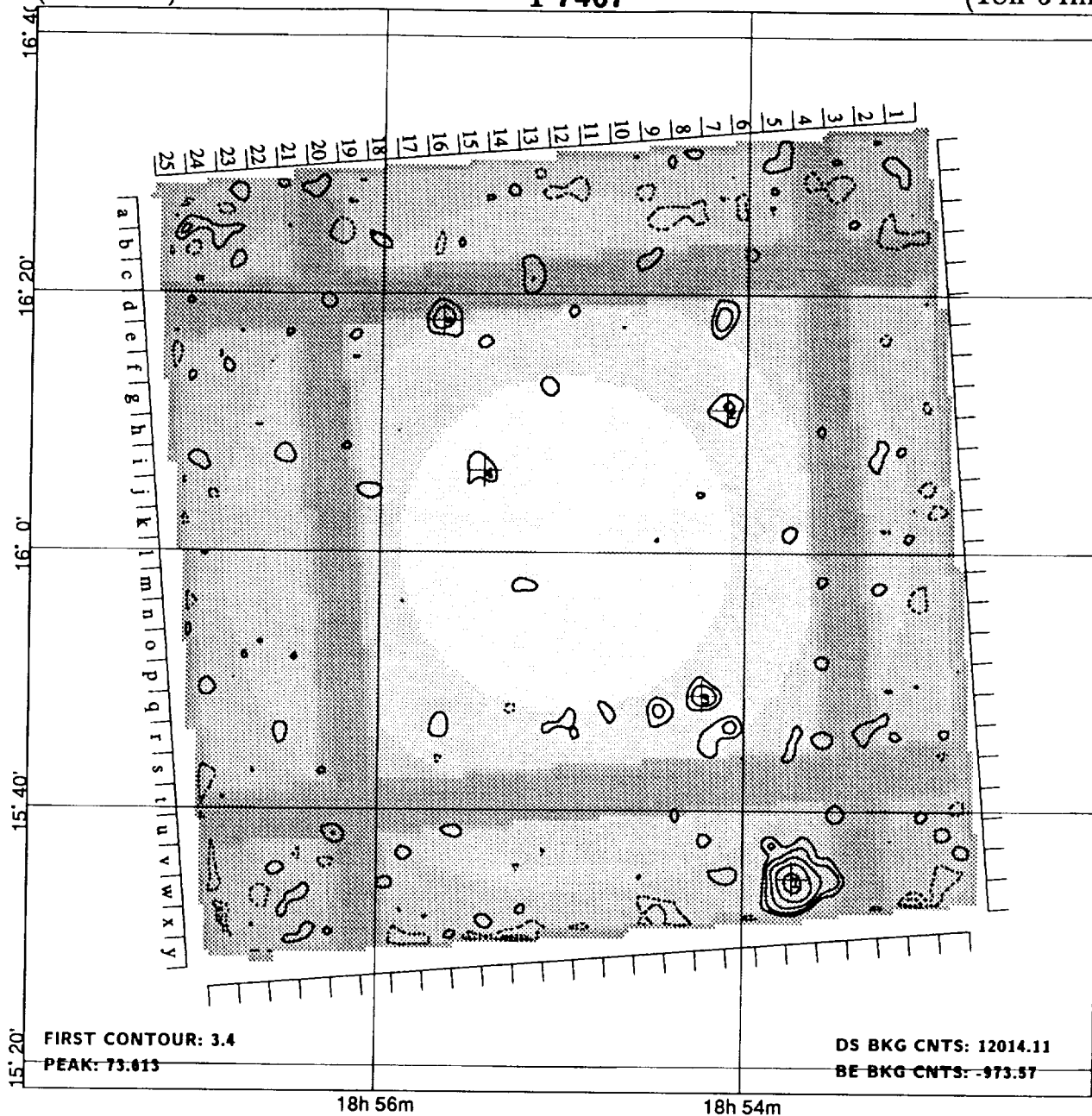
NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4154	1	18 51 17.5	68 44 34	55	0.0168	0.0047	18.2	7.8	3.6	1.1	100	29.2	H	
4162	2	18 53 09.1	68 20 04	39	0.0093	0.0027	21.0	15.0	3.5	16.3	0	4.3	H	
4169	3	18 54 14.8	68 19 20	31	0.0580	0.0052	135.0	14.0	11.1	2.5	0	3.1	H	CLG

(18h 54m)

I 7467

(18h 54m)



SNR CTB 63 POSITION 2

FIELD CENTER: $18^h 54^m 59.8^s$ $15^\circ 59' 59''$ (B1950)
 $18^h 57^m 14.9^s$ $16^\circ 04' 02''$ (J2000)
 $l: 47.93$ $b: 6.00$

DATE: 1980/266 - 1980/266
 LIVETIME: 9735.4s
 ROLL ANGLE: 85.5°

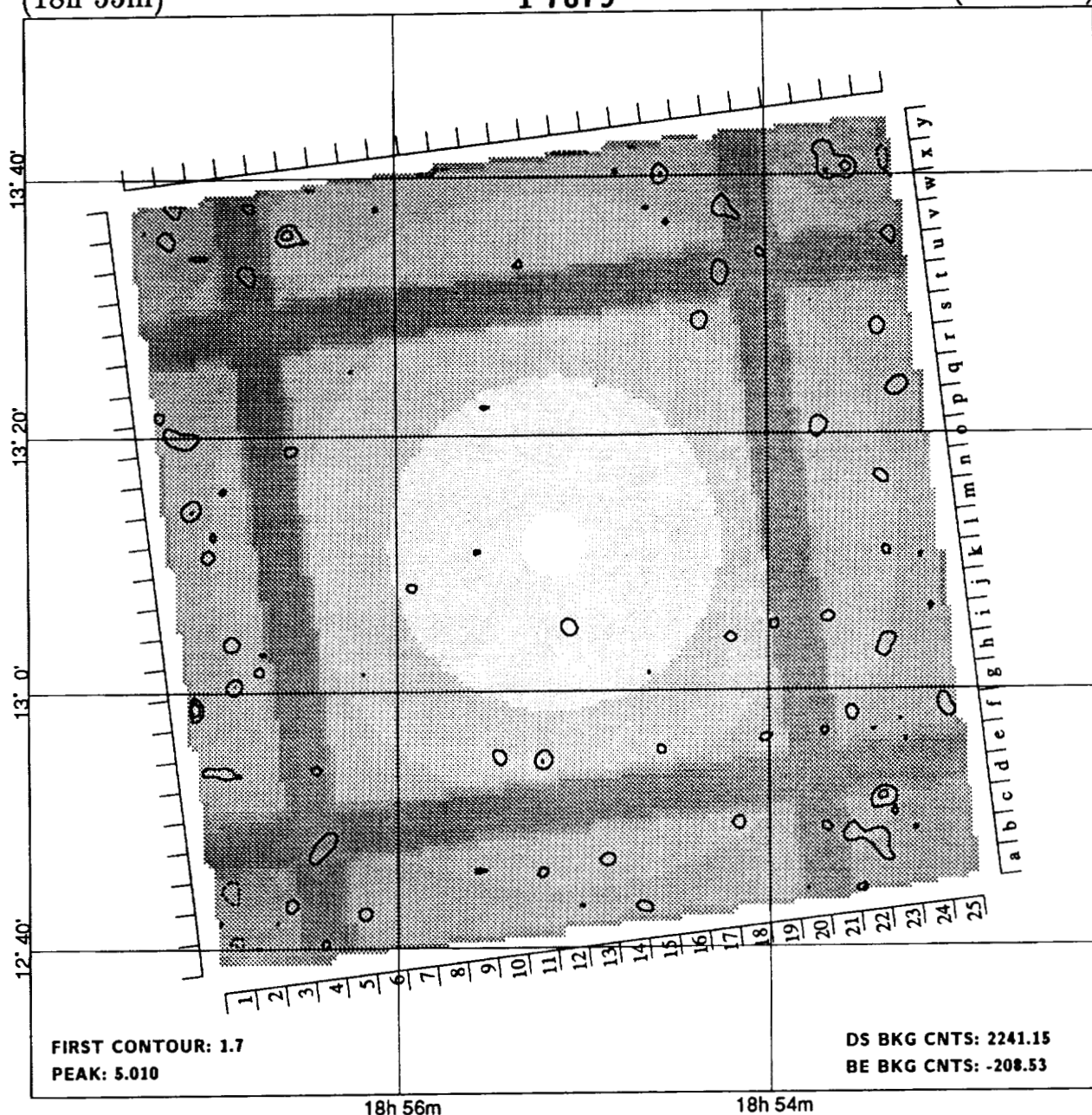
NH: $3.2E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4164	1	18 53 44.0	15 34 41	48	0.0431	0.0039	136.3	18.7	10.9	1.5	0	31.1	AH
4166	2	18 54 06.4	16 11 05	55	0.0052	0.0013	29.1	21.9	4.1	0.6	0	16.8	
4168	3	18 54 13.8	15 48 52	51	0.0059	0.0013	33.2	19.8	4.6	0.7	0	15.7	
4171	4	18 55 25.9	16 06 22	45	0.0047	0.0012	30.7	28.3	4.0	0.6	0	9.4	
4172	5	18 55 39.9	16 17 58	55	*0.0057	0.0013	28.4	14.6	4.3	0.8	906	20.5	

(18h 55m)

I 7879

(18h 55m)



V446 HER, ORBITAL MODULATIONS IN CATAclySMIC VARIABLES

FIELD CENTER: $18^h 55^m 05.8^s$ $13^\circ 10' 47''$ (B1950)
 $18^h 57^m 24.4^s$ $13^\circ 14' 51''$ (J2000)
 $l: 45.42$ $b: 4.70$

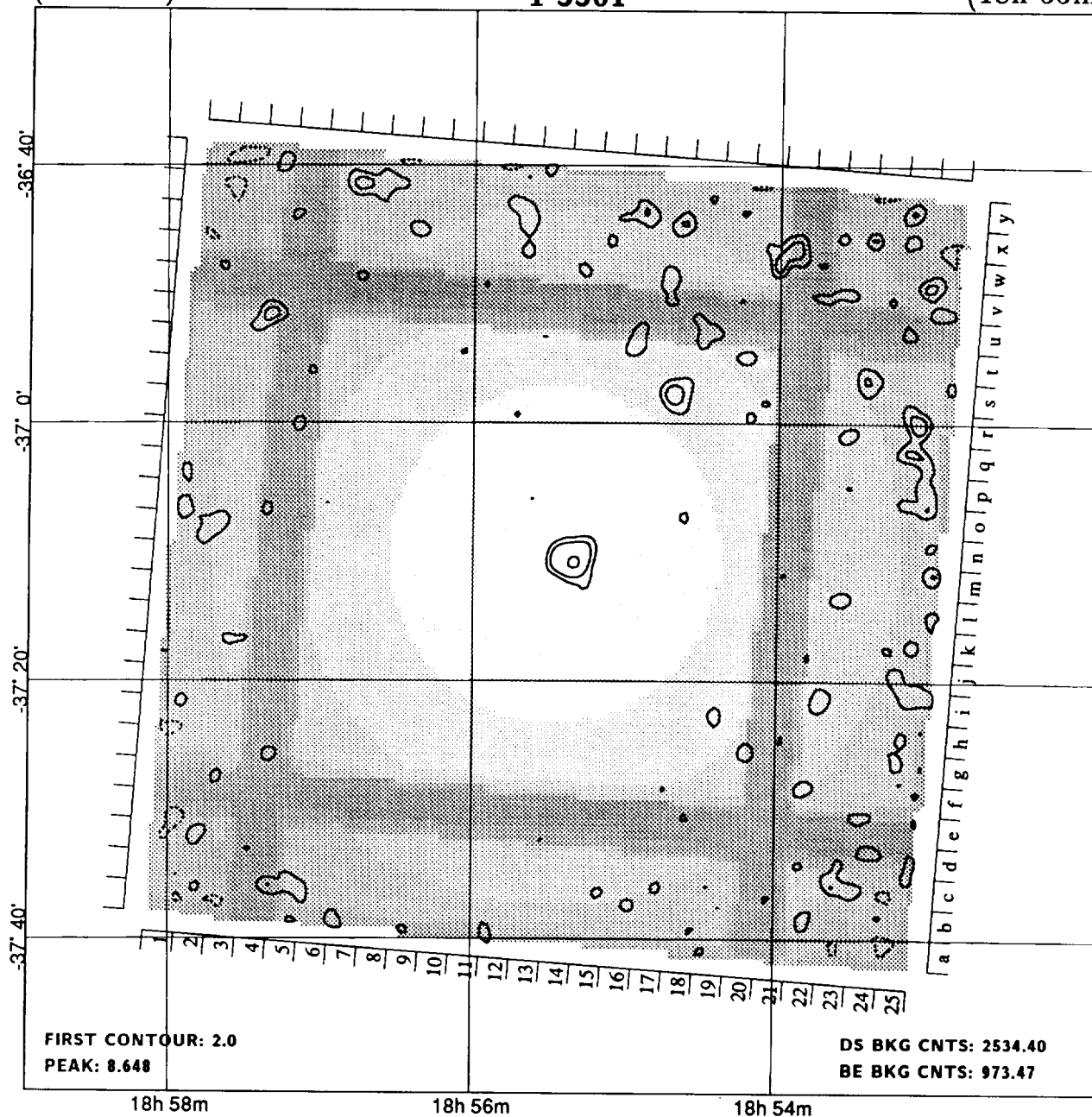
DATE: 1980/ 80 - 1980/ 80
 LIVETIME: 1881.3s
 ROLL ANGLE: -96.7°

NH: $4.2E+21$
 REF/ID:
 FIELD FLAGS:

(18h 55m)

I 3501

(18h 55m)



EPSILON CRA,W UMA-TYPE STARS

FIELD CENTER: $18^{\text{h}}55^{\text{m}}23.7^{\text{s}}$ $-37^{\circ}09'59''$ (B1950)
 $18^{\text{h}}58^{\text{m}}46.6^{\text{s}}$ $-37^{\circ}05'52''$ (J2000)
 $l: 359.56$ $b: -17.32$

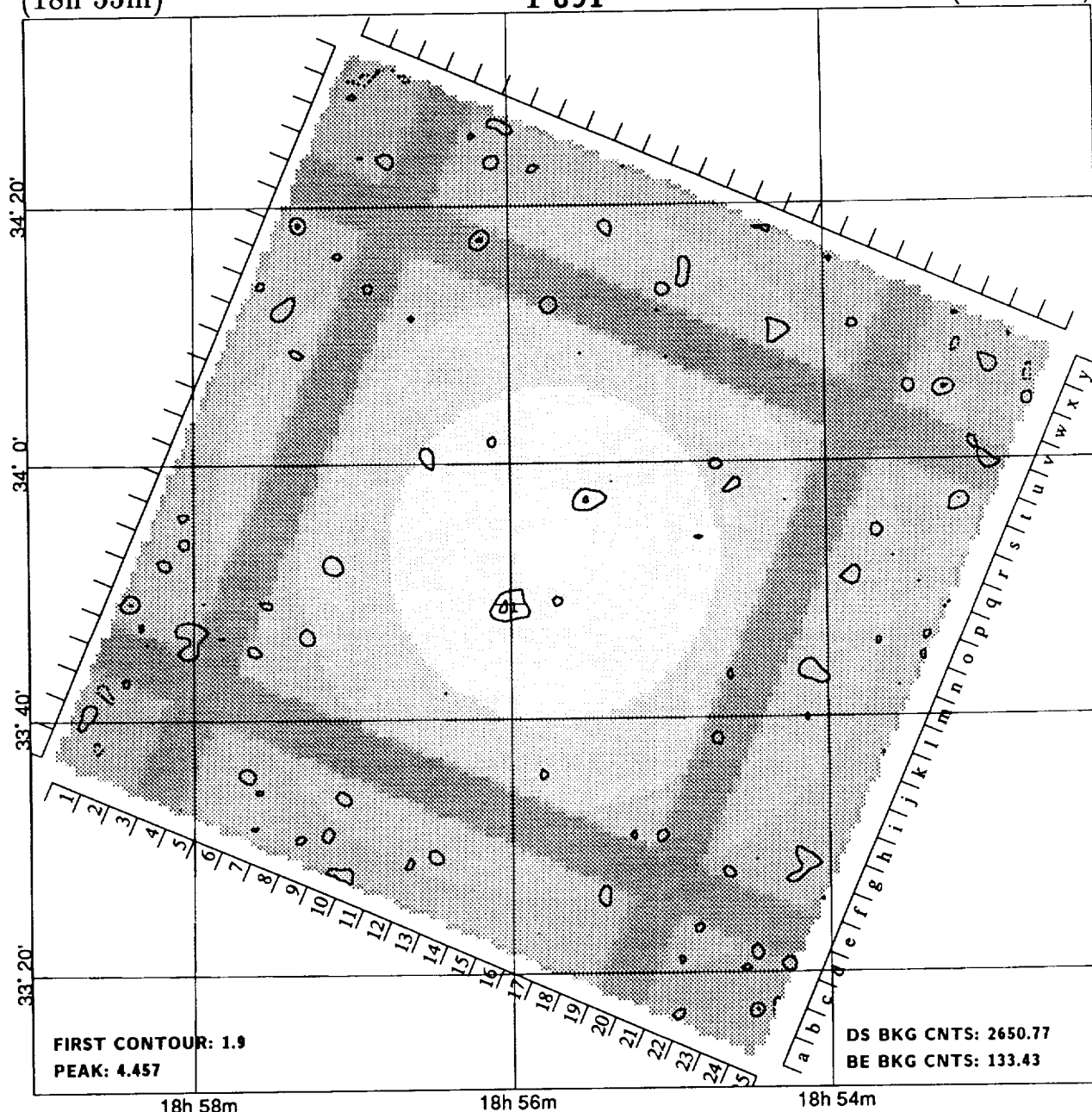
DATE: 1980/ 97 - 1980/ 97
 LIVETIME: 2127.5s
 ROLL ANGLE: -85.8°

NH: $6.7\text{E}+20$
 REF/ID: !
 FIELD FLAGS: LS

(18h 55m)

I 891

(18h 55m)



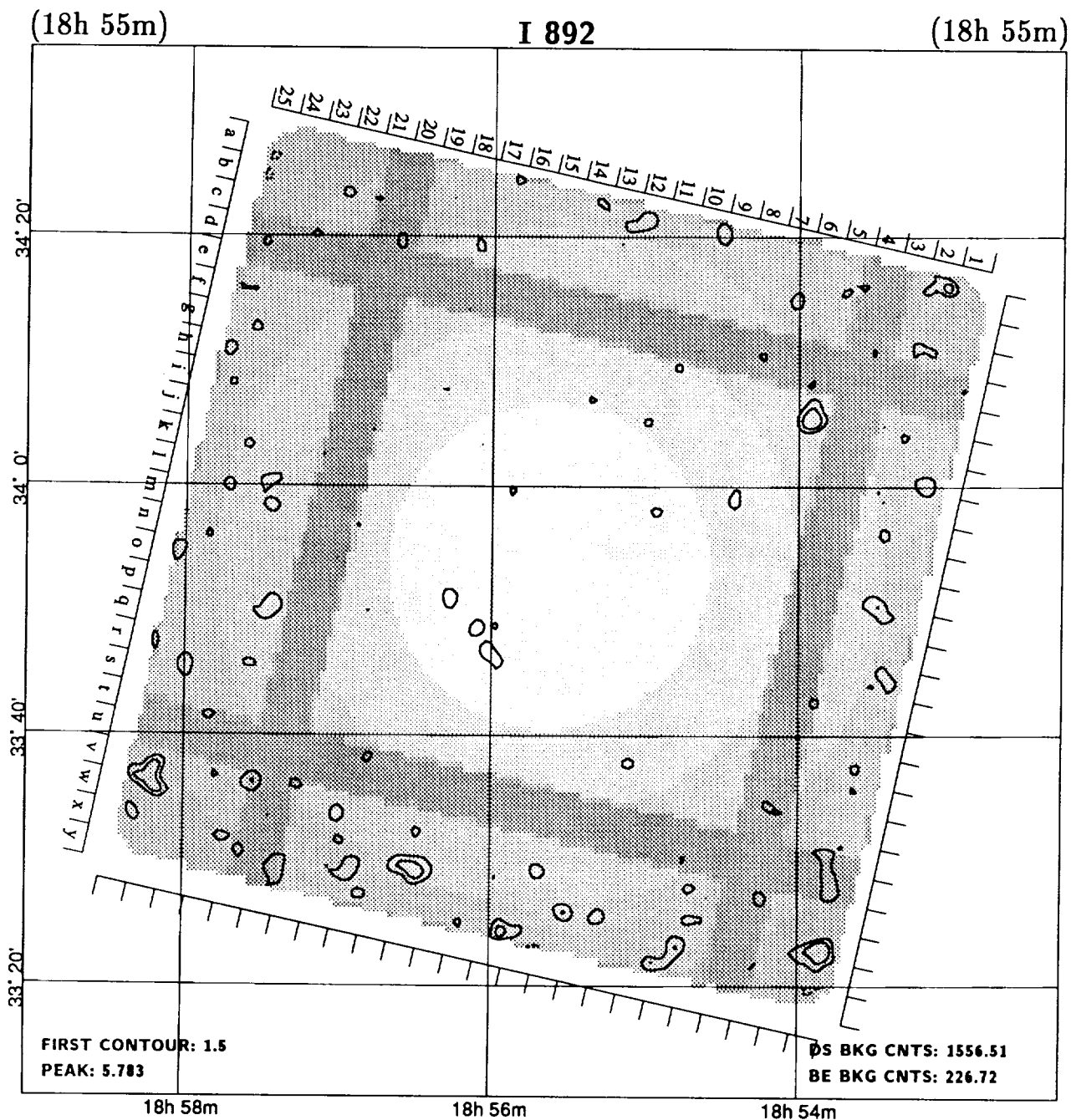
G207-9 STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $18^{\text{h}}55^{\text{m}}39.8^{\text{s}}$ $33^{\circ}53'05''$ (B1950)
 $18^{\text{h}}57^{\text{m}}30.0^{\text{s}}$ $33^{\circ}57'10''$ (J2000)
 $l: 64.38$ $b: 13.60$

DATE: 1979/117 - 1979/117
 LIVETIME: 2148.0s
 ROLL ANGLE: -66.9°

NH: $8.0\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4173	1	18 56 00.5	33 48 59	47	0.0121	0.0033	18.6	6.4	3.7	0.8	0	6.2	H	



FIELD CENTER: $18^{\text{h}}55^{\text{m}}39.8^{\text{s}}$ $33^{\circ}53'05''$ (B1950)
 $18^{\text{h}}57^{\text{m}}30.0^{\text{s}}$ $33^{\circ}57'10''$ (J2000)
 $l: 64.38$ $b: 13.60$

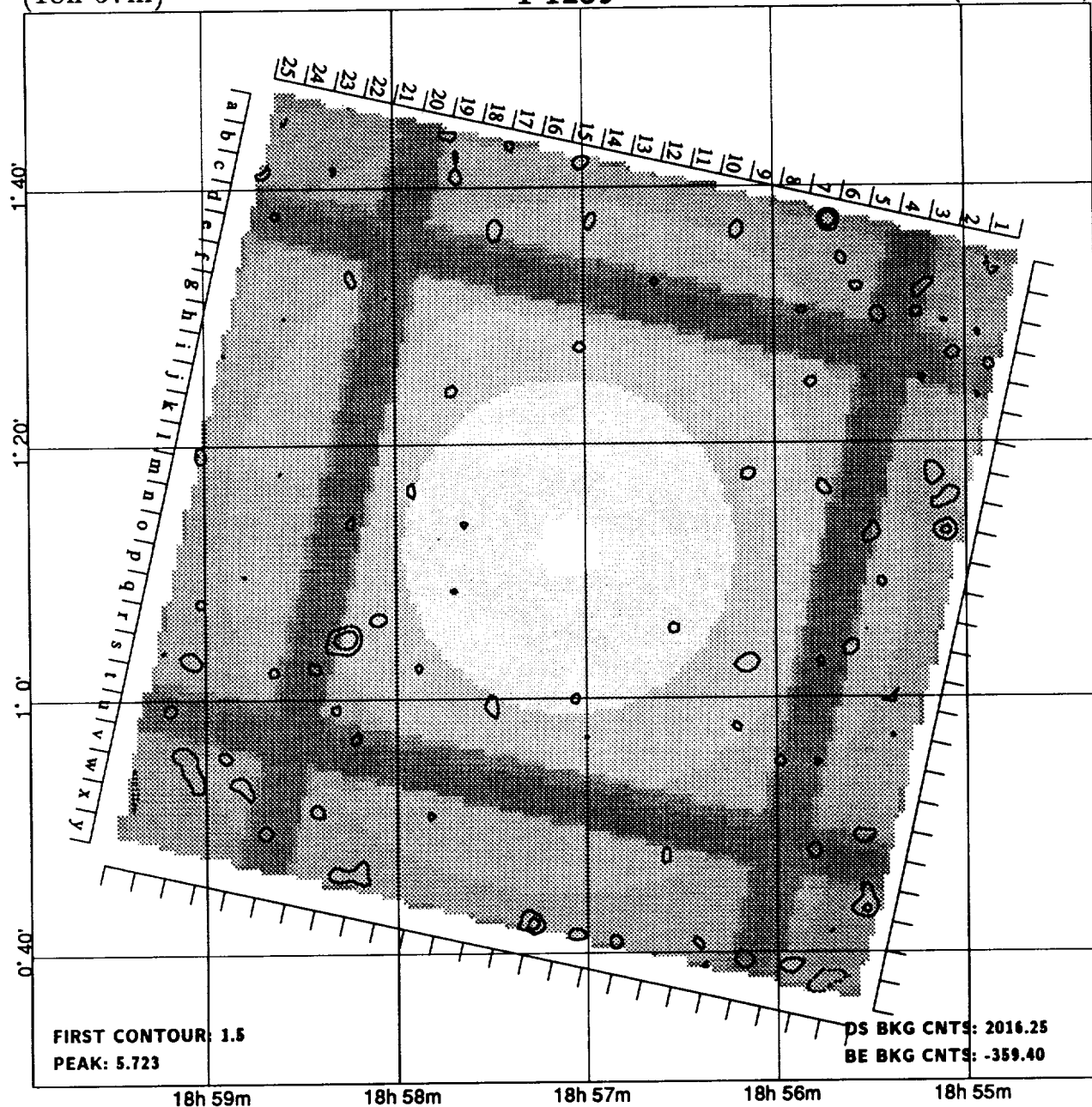
DATE: 1979/291 - 1979/291
 LIVETIME: 1261.3s
 ROLL ANGLE: 102.4°

NH: $8.0\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

(18h 57m)

I 1259

(18h 57m)

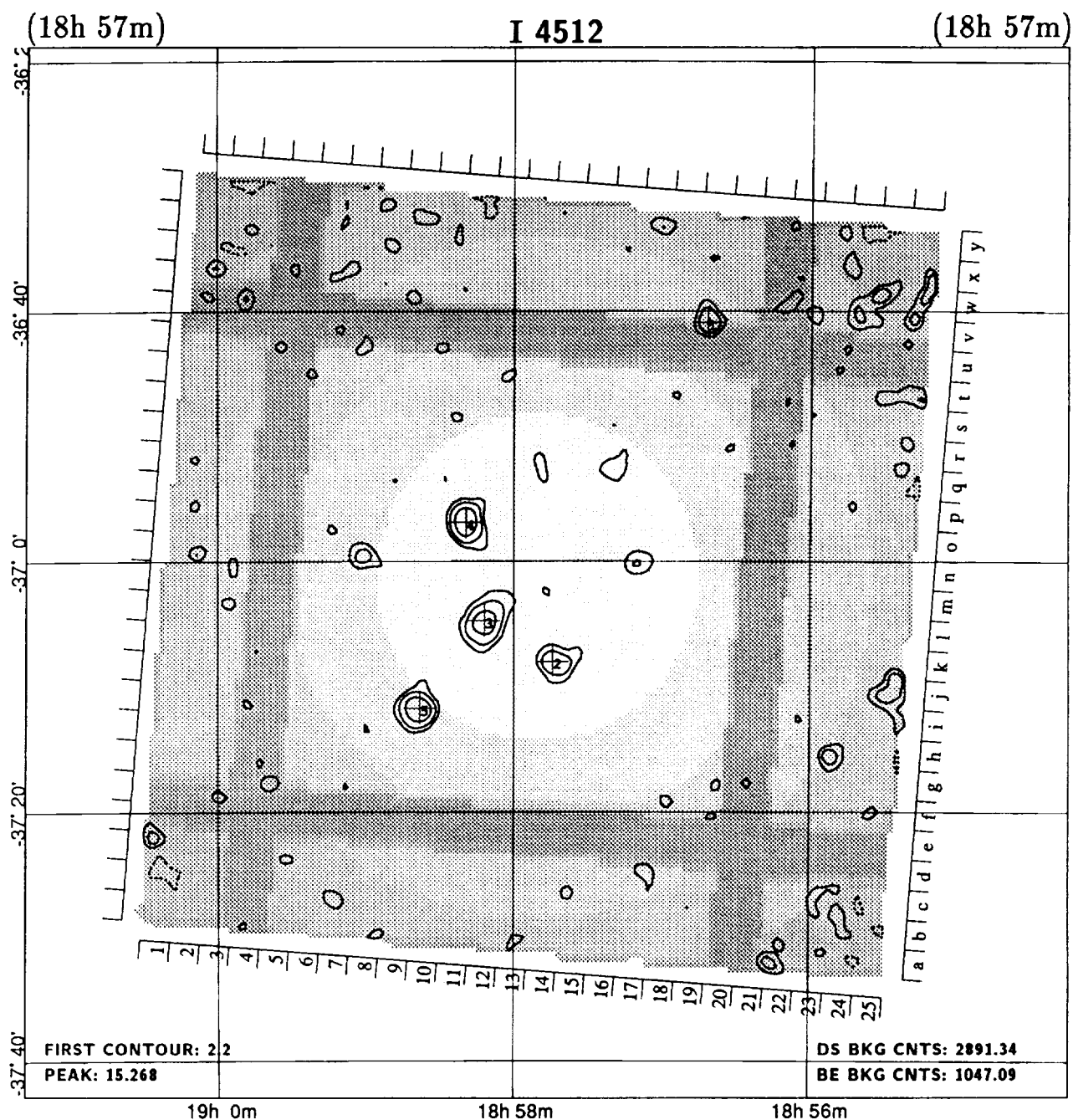


35 DEGREES GALACTIC PLANE SURVEY

FIELD CENTER: $18^h 57^m 07.0^s$ $01^\circ 11' 58''$ (B1950)
 $18^h 59^m 39.4^s$ $01^\circ 16' 11''$ (J2000)
 l : 35.00 b : -1.25

DATE: 1979/282 - 1979/282
 LIVETIME: 1633.8s
 ROLL ANGLE: 102.6°

NH: $1.0E+22$
 REF/ID:
 FIELD FLAGS:



T TAURI STARS: S CR A

FIELD CENTER: $18^h 57^m 46.8^s$ $-37^\circ 00' 56''$ (B1950)
 $19^h 01^m 09.2^s$ $-36^\circ 56' 39''$ (J2000)
 $l: 359.89$ $b: -17.71$

DATE: 1980/ 97 - 1980/ 98
 LIVETIME: 2427.1s
 ROLL ANGLE: -85.6°

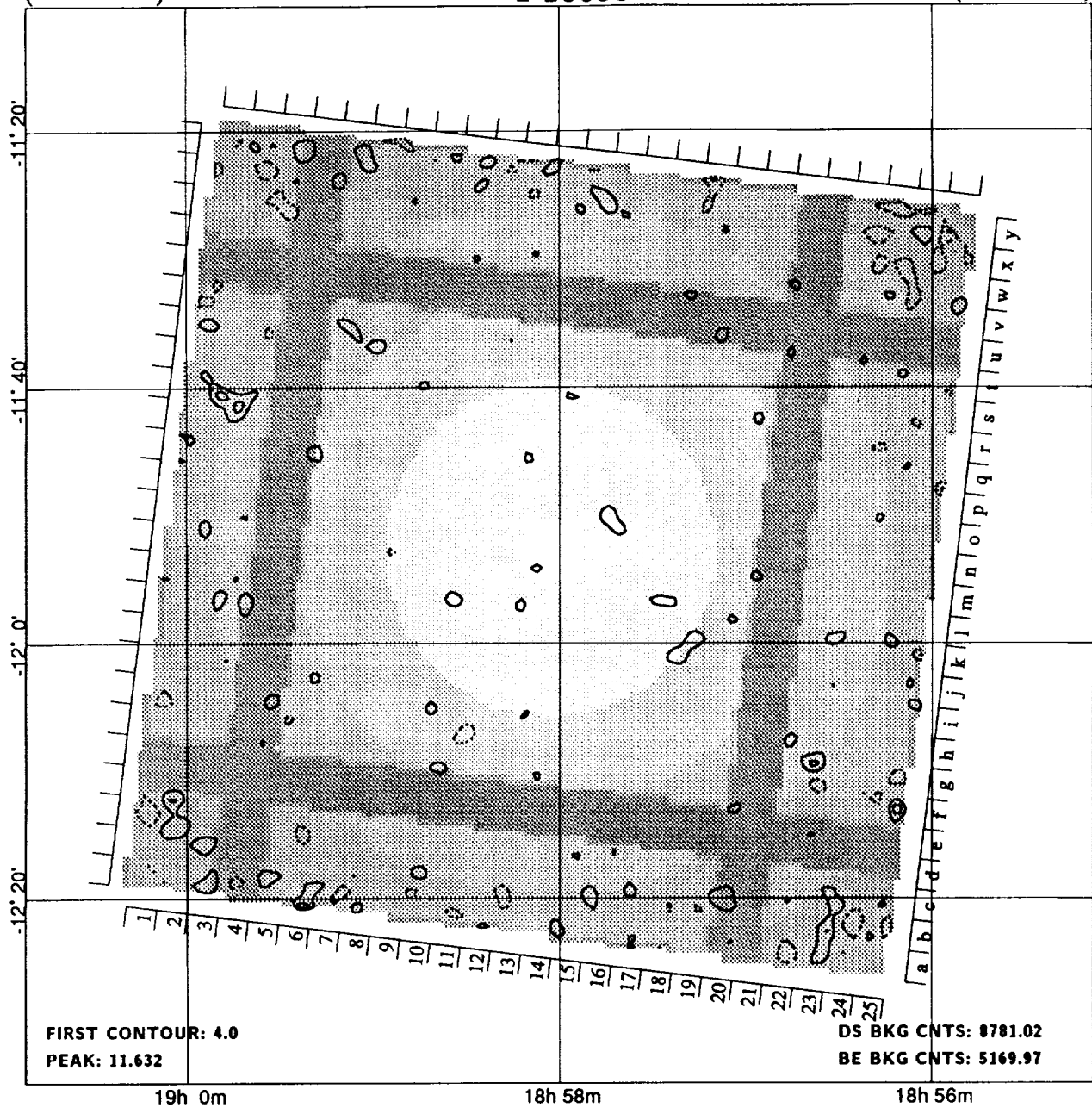
NH: $6.5E+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4174	1	18 56 41.8	-36 40 53	55	*0.0168	0.0044	17.9	4.1	3.8	0.8	906	23.7	H
4175	2	18 57 44.1	-37 07 59	42	0.0178	0.0038	30.2	11.8	4.7	0.9	0	7.4	H
4176	3	18 58 11.9	-37 04 46	41	0.0336	0.0048	57.9	10.1	7.0	1.2	0	6.3	H
4177	4	18 58 19.4	-36 56 52	41	0.0393	0.0052	66.1	9.9	7.6	1.0	0	7.9	H
4178	5	18 58 38.1	-37 11 45	50	0.0379	0.0055	55.6	8.4	6.9	1.0	0	15.1	H

(18h 57m)

I 10690

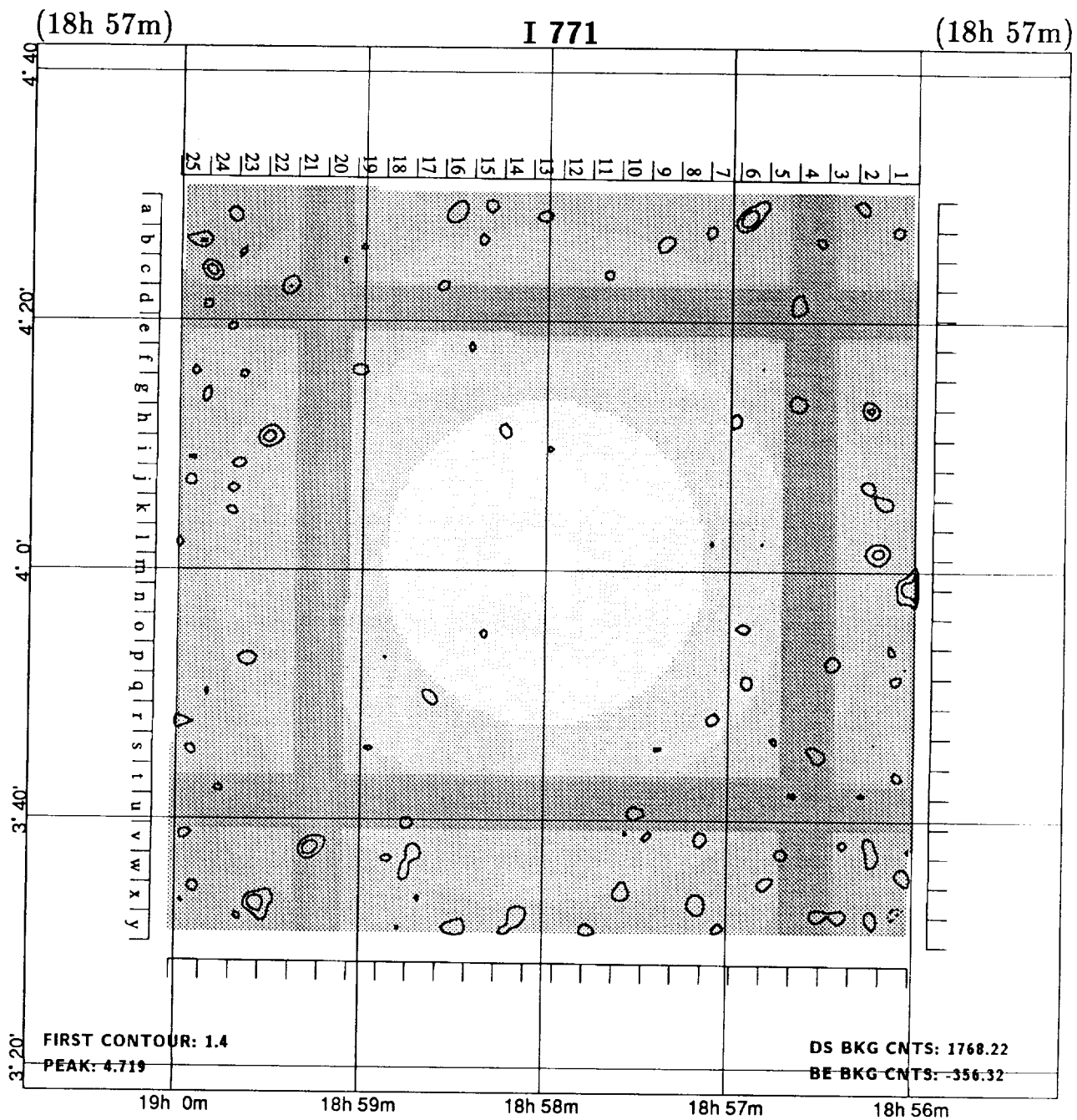
(18h 57m)



FIELD CENTER: $18^{\text{h}}57^{\text{m}}59.8^{\text{s}}$ $-11^{\circ}52'16''$ (B1950)
 $19^{\text{h}}00^{\text{m}}47.1^{\text{s}}$ $-11^{\circ}48'00''$ (J2000)
 $l: 23.42$ $b: -7.40$

DATE: 1981/ 90 - 1981/ 90
 LIVETIME: 7115.5s
 ROLL ANGLE: -83.0°

NH: $1.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L



W 47 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $18^h 57^m 59.8^s$ $03^\circ 59' 59''$ (B1950)
 $19^h 00^m 29.0^s$ $04^\circ 04' 16''$ (J2000)
 ℓ : 37.59 b : -0.15

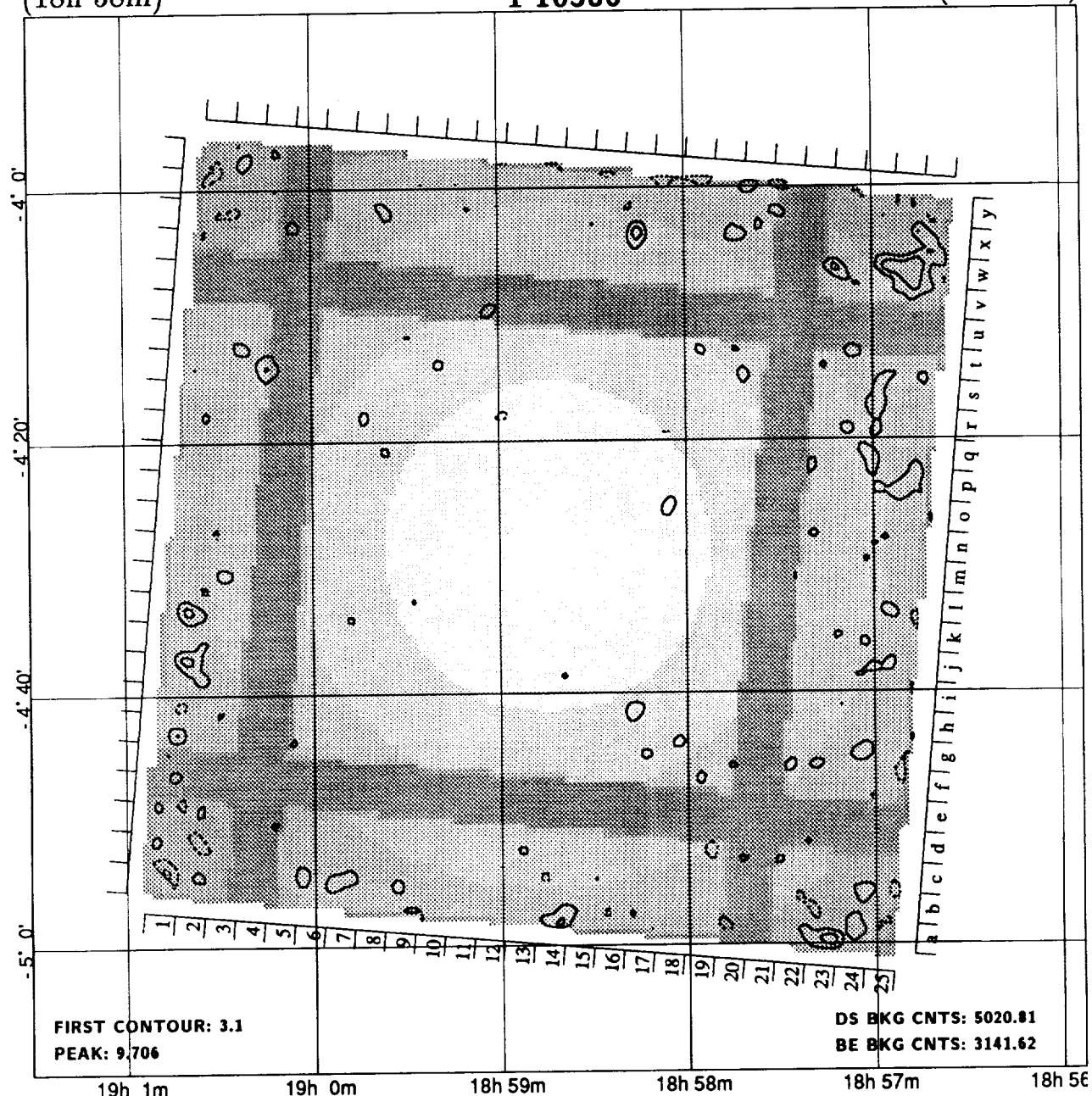
DATE: 1979/269 - 1979/269
 LIVETIME: 1432.8s
 ROLL ANGLE: 90.2°

NH: $1.4E+22$
 REF/ID:
 FIELD FLAGS:

(18h 58m)

I 10586

(18h 58m)



FIELD CENTER: $18^h 58^m 41.8^s$ $-04^\circ 27' 59''$ (B1950)
 $19^h 01^m 20.6^s$ $-04^\circ 23' 40''$ (J2000)
 $l: 30.14$ $b: -4.20$

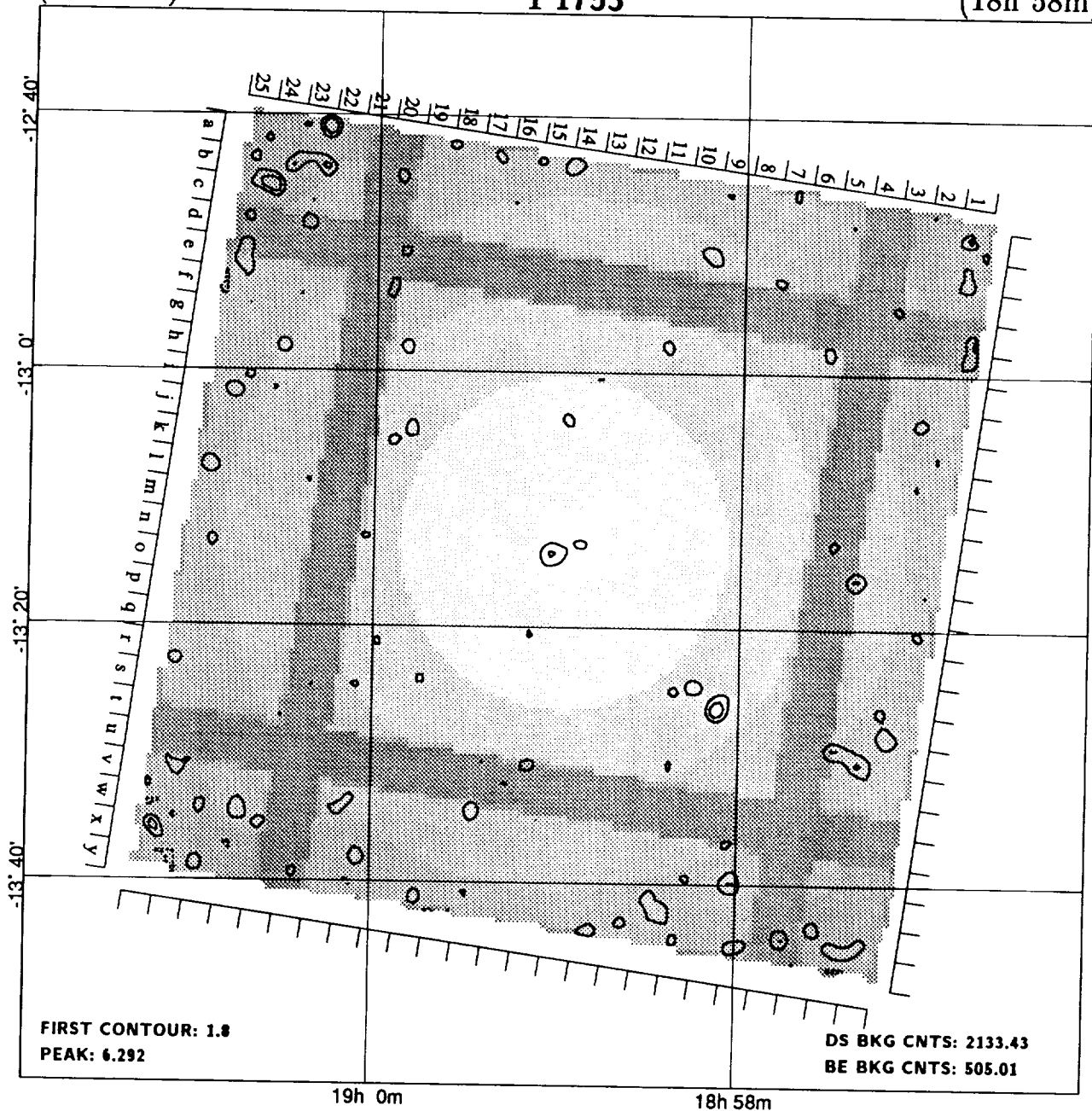
DATE: 1981/ 91 - 1981/ 92
 LIVETIME: 4068.5s
 ROLL ANGLE: -85.0°

NH: $3.8E+21$
 REF/ID:
 FIELD FLAGS: L

(18h 58m)

I 1753

(18h 58m)



V 1059 SGR, OPTICAL NOVA

FIELD CENTER: $18^{\text{h}}58^{\text{m}}59.8^{\text{s}}$ $-13^{\circ}13'59''$ (B1950)
 $19^{\text{h}}01^{\text{m}}48.7^{\text{s}}$ $-13^{\circ}09'38''$ (J2000)
 $l: 22.30$ $b: -8.22$

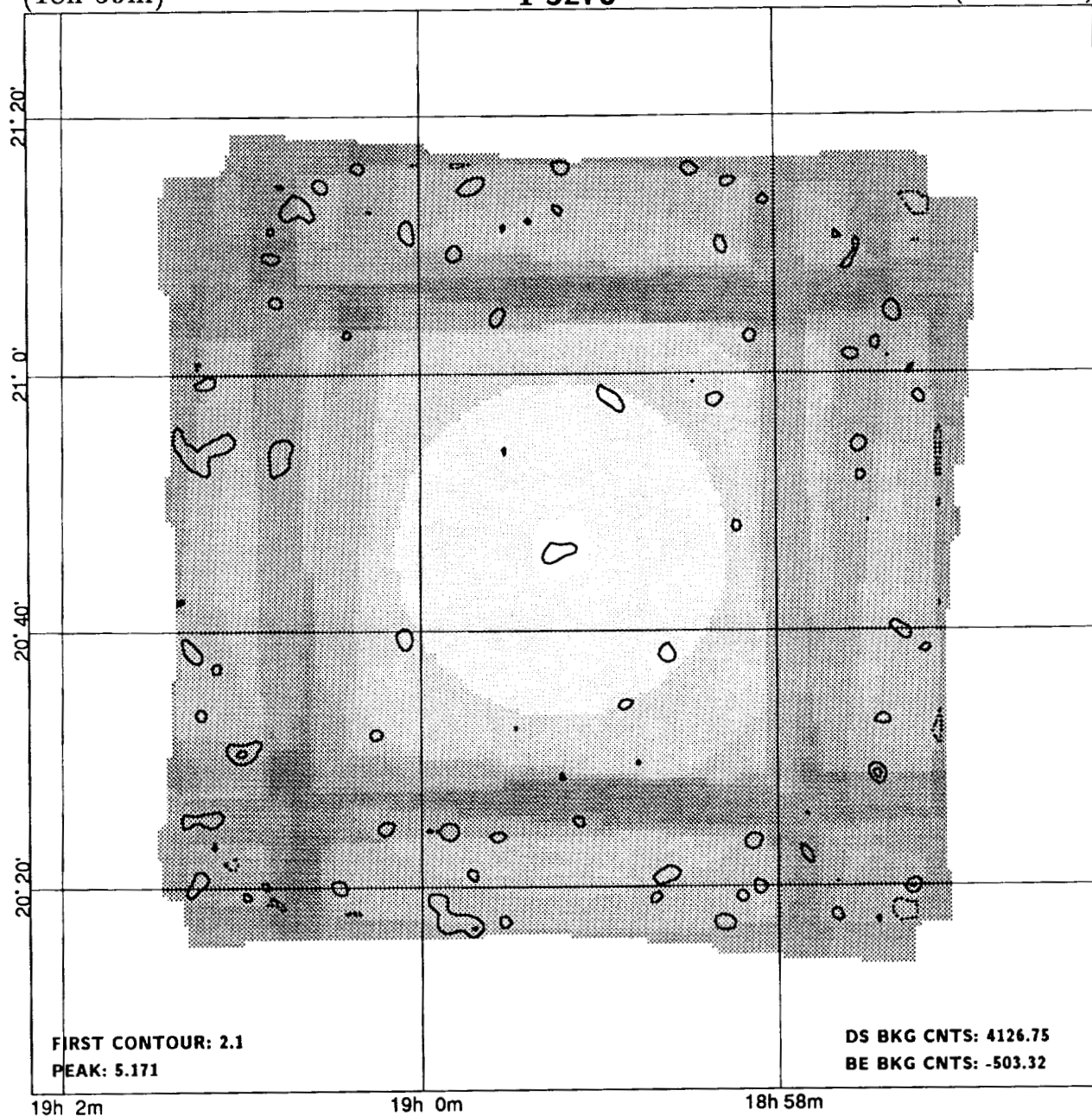
DATE: 1979/295 - 1979/295
 LIVETIME: 1728.8s
 ROLL ANGLE: 98.1°

NH: $1.5\text{E}+21$
 REF/ID: 1
 FIELD FLAGS:

(18h 59m)

I 3278

(18h 59m)



CANDIDATE X-RAY BINARY SOURCES: HD 176019

FIELD CENTER: $18^{\text{h}}59^{\text{m}}11.8^{\text{s}}$ $20^{\circ}46'17''$ (B1950)
 $19^{\text{h}}01^{\text{m}}21.1^{\text{s}}$ $20^{\circ}50'38''$ (J2000)
 $l: 52.68$ $b: 7.26$

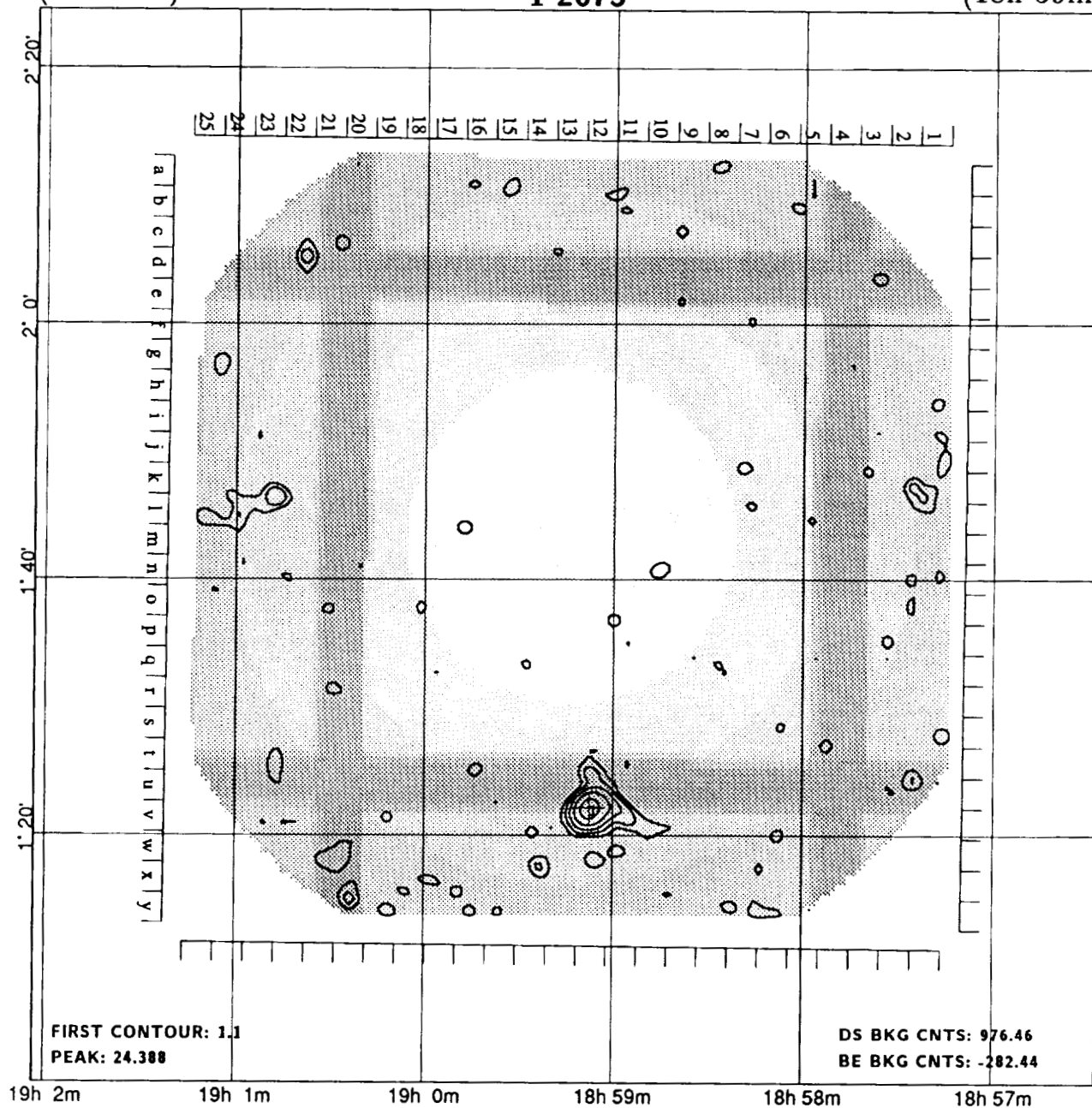
DATE: 1979/ 85 - 1979/282
LIVETIME: 3344.0s

NH: 2.5E+21
REF/ID:
FIELD FLAGS:

(18h 59m)

I 2675

(18h 59m)



NRAO 5890: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: 18^h59^m15.5^s 01°42'30" (B1950)
19^h01^m47.4^s 01°46'52" (J2000)
ℓ: 35.70 b: -1.49

DATE: 1979/268 - 1979/268

NH: 1.1E+22

LIVETIME: 791.3s

REF/ID:

ROLL ANGLE: 90.5°

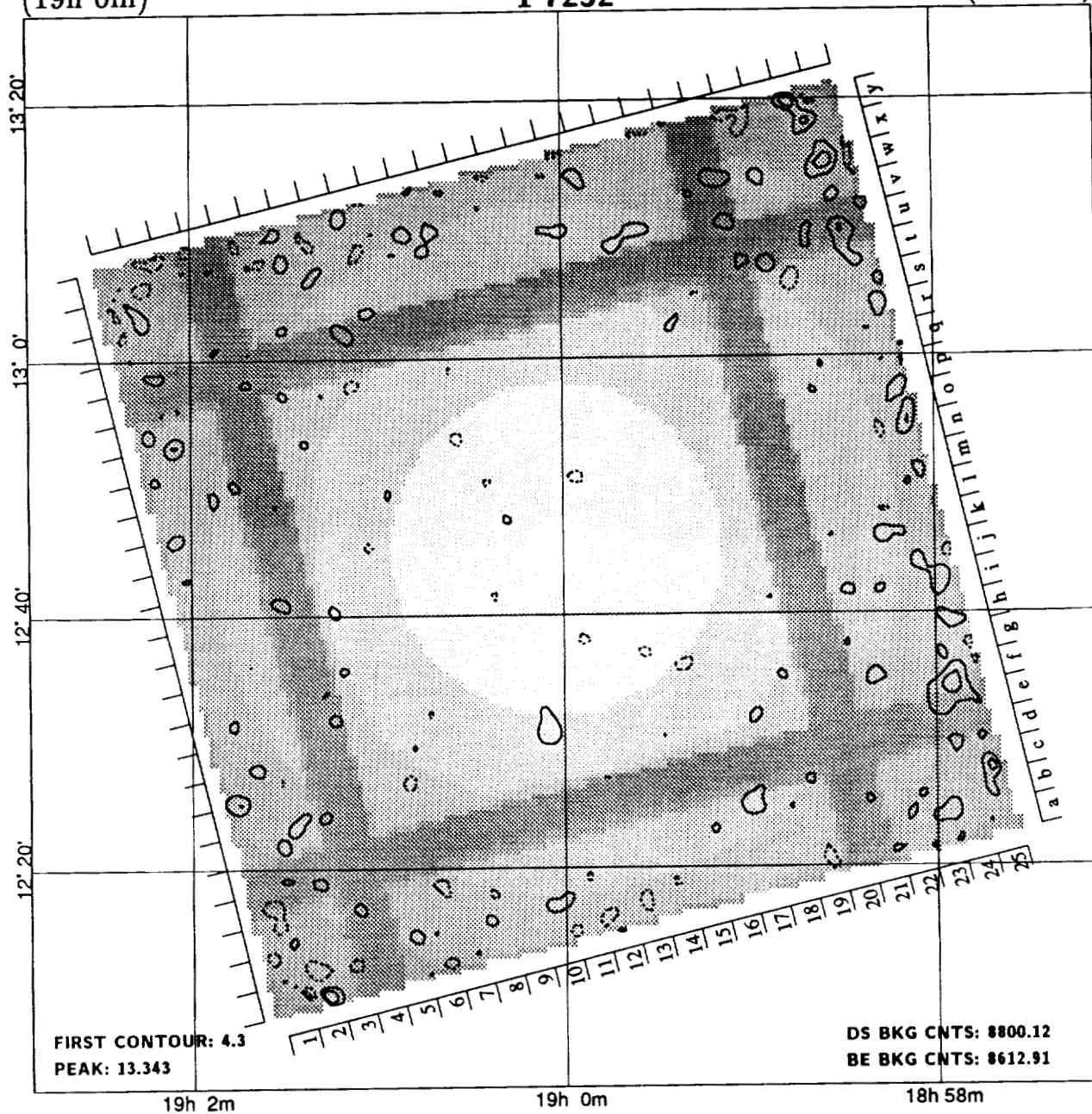
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4179	1	18 59 07.5	01 22 10	48	*0.164	0.021	64.1	0.9	7.9	1.3	906	20.2	H	S

(19h 0m)

I 7232

(19h 0m)

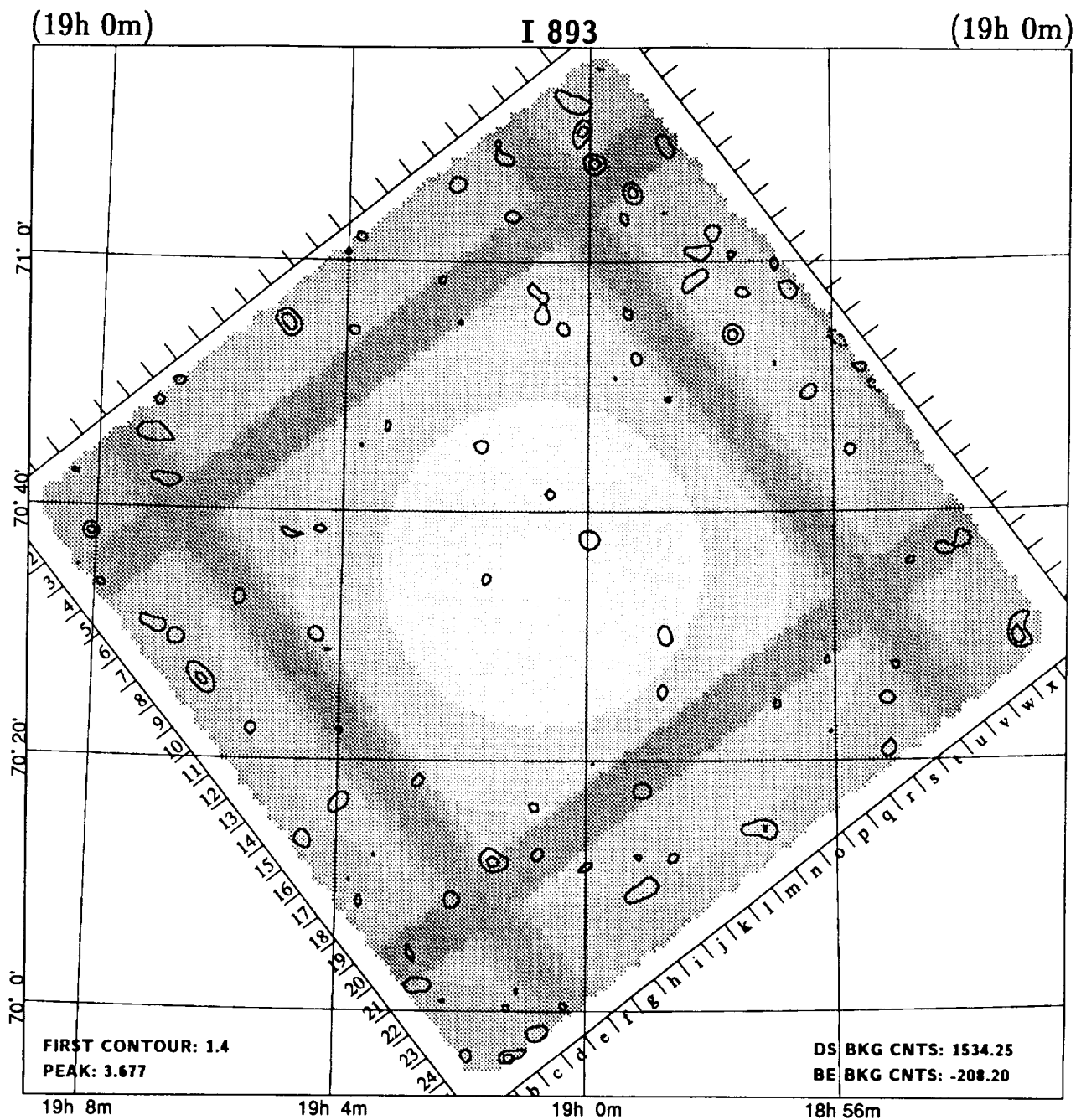


LYNDS 669, DARK NEBULA

FIELD CENTER: $19^{\text{h}}00^{\text{m}}00.0^{\text{s}}$ $12^{\circ}44'59''$ (B1950)
 $19^{\text{h}}02^{\text{m}}19.1^{\text{s}}$ $12^{\circ}49'24''$ (J2000)
 $l: 45.58$ $b: 3.44$

DATE: 1981/ 64 - 1981/ 64
LIVETIME: 7131.1s
ROLL ANGLE: -103.6°

NH: $5.6\text{E}+21$
REF/ID:
FIELD FLAGS: L



EG 129 (G260-15) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $19^{\text{h}}00^{\text{m}}39.9^{\text{s}}$ $70^{\circ}35'11''$ (B1950)
 $19^{\text{h}}00^{\text{m}}10.3^{\text{s}}$ $70^{\circ}39'32''$ (J2000)
 $l: 101.56$ $b: 24.77$

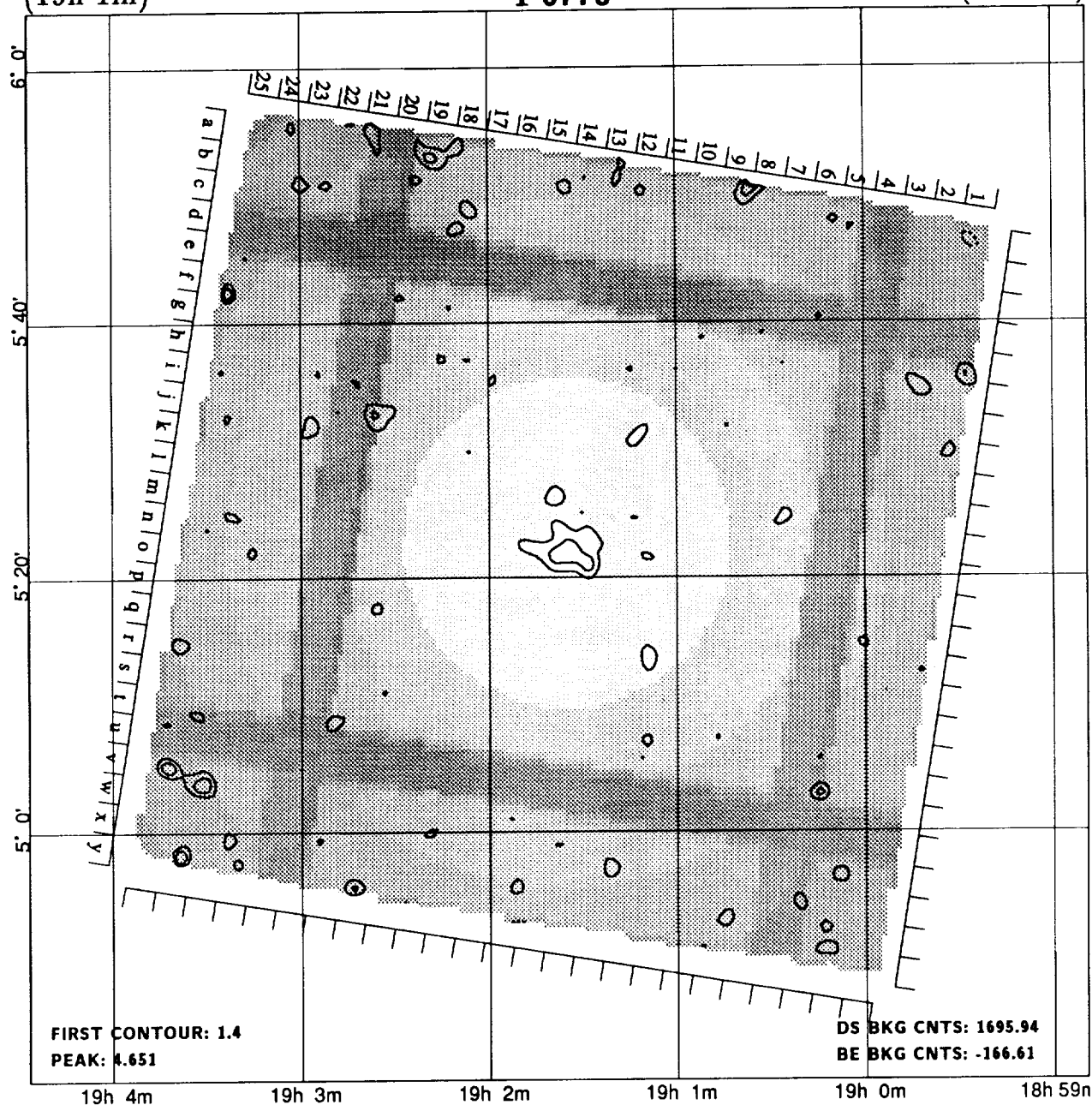
DATE: 1979/144 - 1979/144
 LIVETIME: 1243.2s
 ROLL ANGLE: -38.3°

NH: $7.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(19h 1m)

I 6778

(19h 1m)



FIELD CENTER: $19^{\text{h}}01^{\text{m}}37.7^{\text{s}}$ $05^{\circ}22'29''$ (B1950)
 $19^{\text{h}}04^{\text{m}}05.4^{\text{s}}$ $05^{\circ}27'01''$ (J2000)
 $l: 39.22$ $b: -0.32$

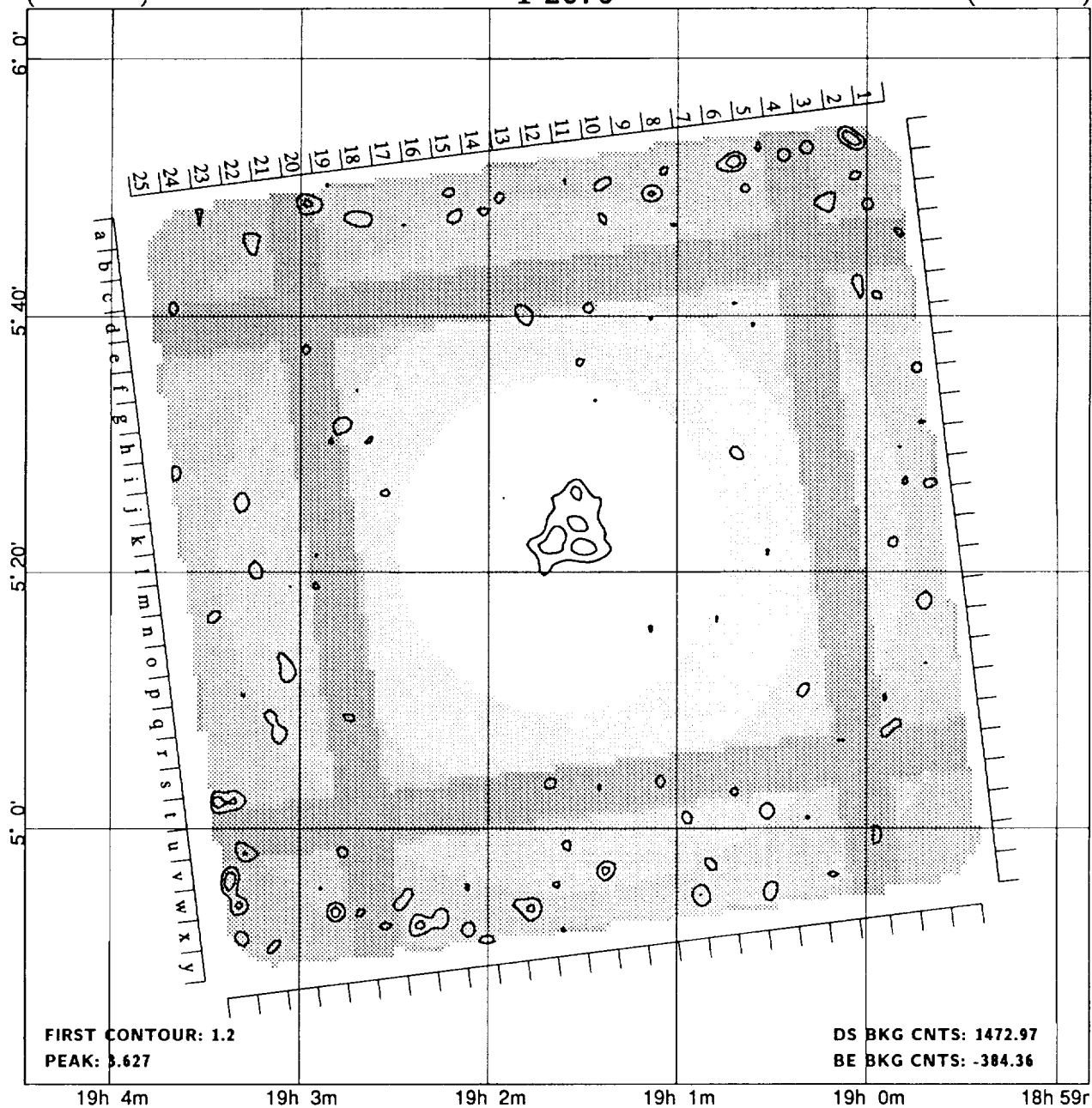
DATE: 1980/282 - 1980/282
 LIVETIME: 1374.3s
 ROLL ANGLE: 99.2°

NH: 1.5E+22
 REF/ID:
 FIELD FLAGS:

(19h 1m)

I 2676

(19h 1m)



FIELD CENTER: $19^h 01^m 38.4^s$ $05^\circ 21' 53''$ (B1950)
 $19^h 04^m 06.1^s$ $05^\circ 26' 25''$ (J2000)
 $l: 39.22$ $b: -0.33$

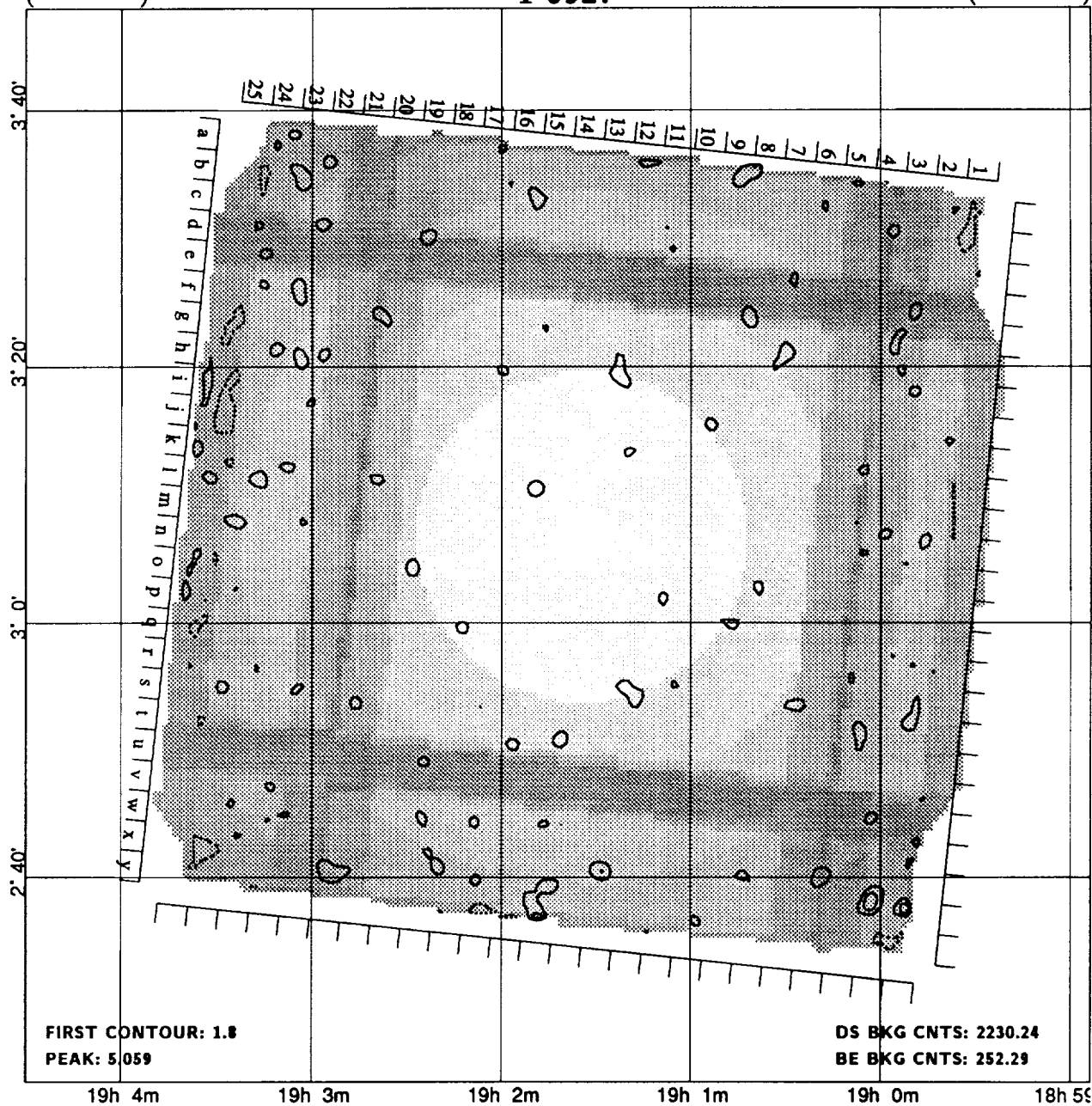
DATE: 1979/268 - 1979/268
 LIVETIME: 1193.6s
 ROLL ANGLE: 83.0°

NH: $1.5E+22$
 REF/ID:
 FIELD FLAGS:

(19h 1m)

I 6927

(19h 1m)

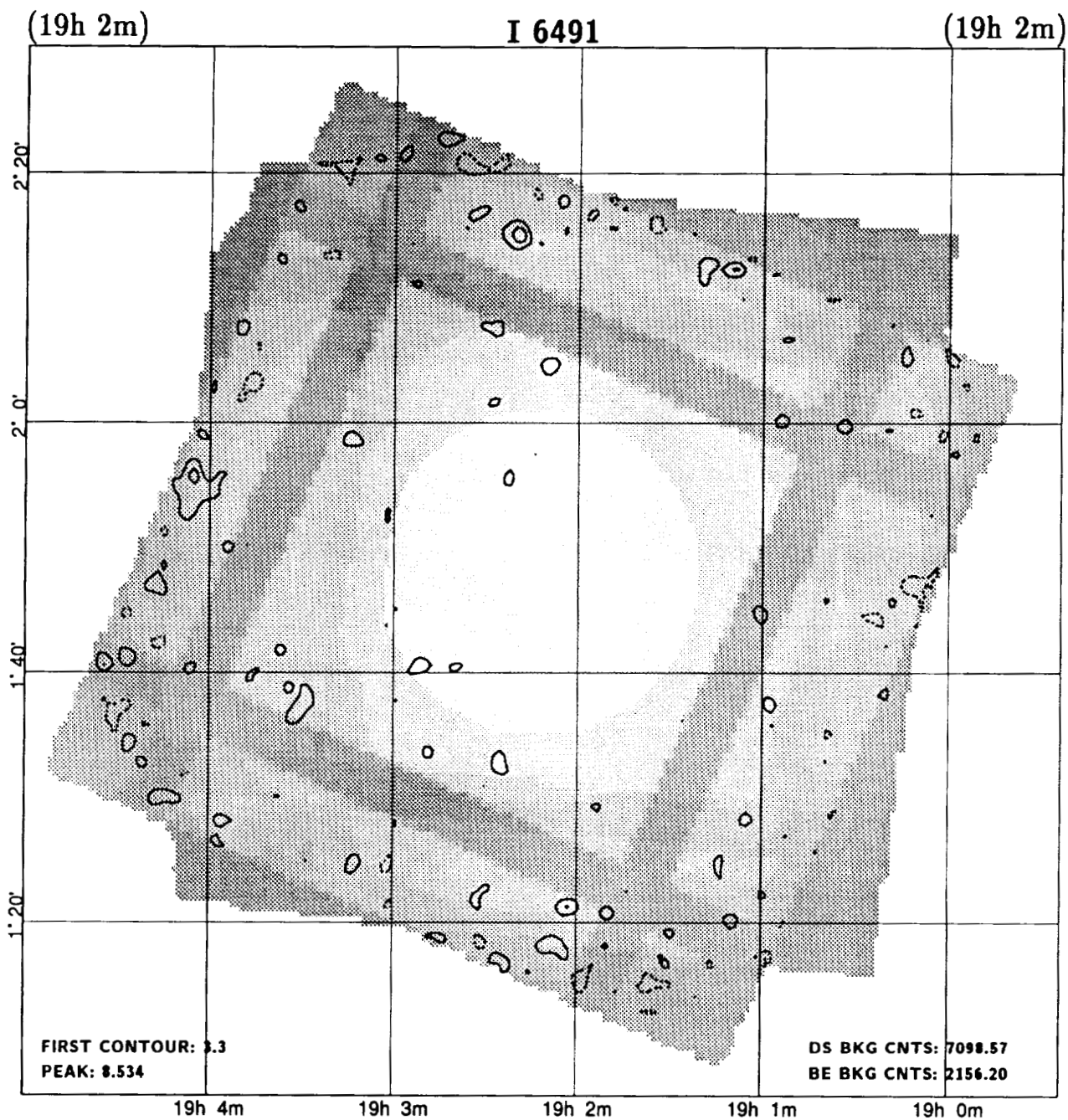


4U 1901+03, GALACTIC SOURCE LOCATIONS & SPECTRA I

FIELD CENTER: $19^{\text{h}}01^{\text{m}}41.8^{\text{s}}$ $03^{\circ}05'59''$ (B1950)
 $19^{\text{h}}04^{\text{m}}12.1^{\text{s}}$ $03^{\circ}10'31''$ (J2000)
 $l: 37.21$ $b: -1.39$

DATE: 1980/282 - 1980/282
 LIVETIME: 1807.2s
 ROLL ANGLE: 96.0°

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS:



NGC 6749, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $19^h 02^m 11.8^s$ $01^\circ 47' 59''$ (B1950)
 $19^h 04^m 43.5^s$ $01^\circ 52' 34''$ (J2000)
 $l: 36.12$ $b: -2.10$

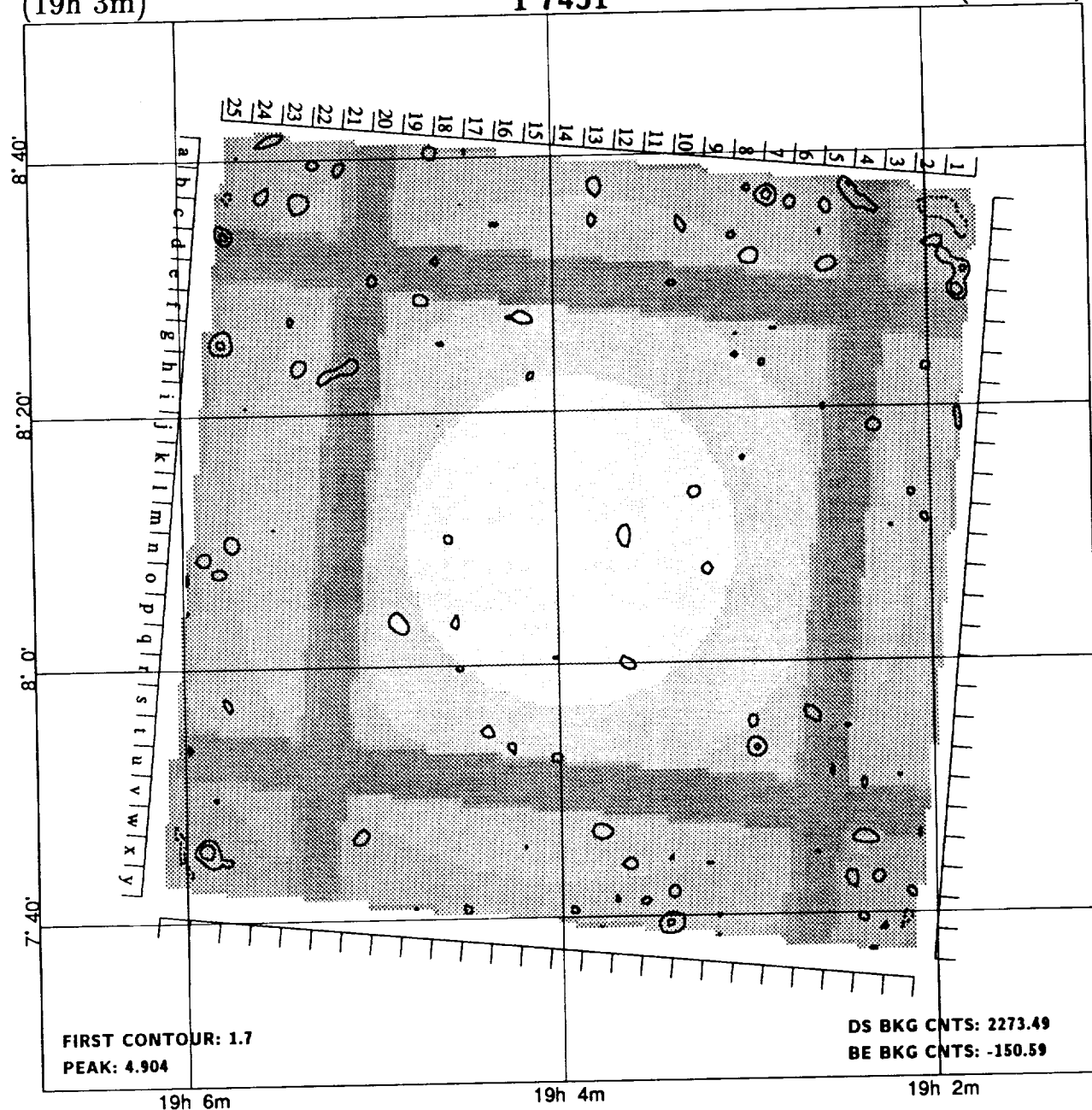
DATE: 1980/282 - 1981/ 94
 LIVETIME: 5752.2s

NH: $9.2E+21$
 REF/ID:
 FIELD FLAGS:

(19h 3m)

I 7451

(19h 3m)



FIELD CENTER: $19^{\text{h}}03^{\text{m}}57.8^{\text{s}}$ $08^{\circ}09'08''$ (B1950)
 $19^{\text{h}}06^{\text{m}}22.4^{\text{s}}$ $08^{\circ}13'50''$ (J2000)
 $l: 41.95$ $b: 0.45$

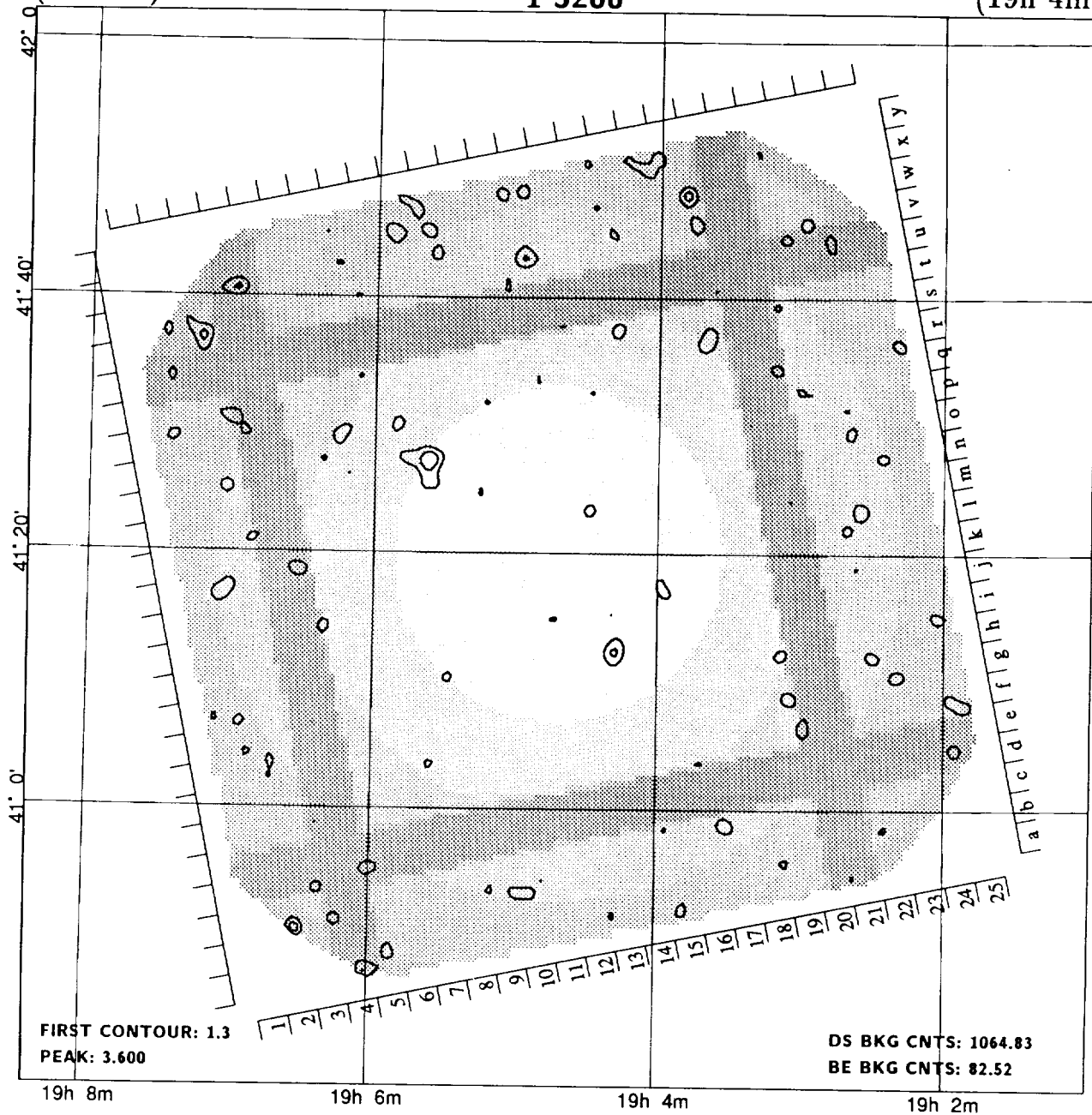
DATE: 1980/282 - 1980/282
 LIVETIME: 1842.3s
 ROLL ANGLE: 95.4°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(19h 4m)

I 3288

(19h 4m)



FIELD CENTER: $19^h 04^m 41.8^s$ $41^\circ 20' 17''$ (B1950)
 $19^h 06^m 19.1^s$ $41^\circ 25' 00''$ (J2000)
 $l: 72.16$ $b: 14.97$

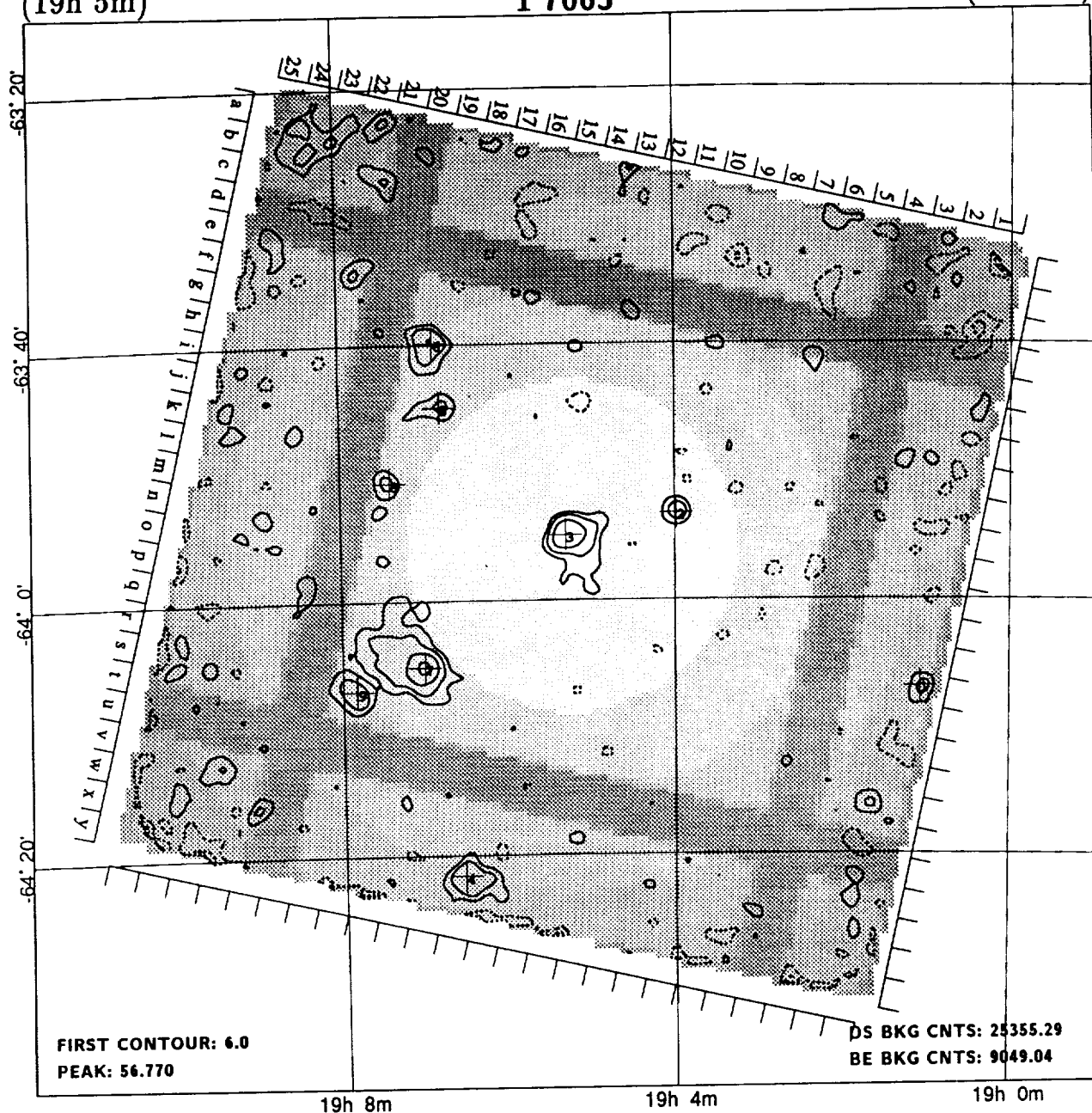
DATE: 1979/ 86 - 1979/ 86
 LIVETIME: 862.9s
 ROLL ANGLE: -101.6°

NH: $8.0E+20$
 REF/ID:
 FIELD FLAGS:

(19h 5m)

I 7063

(19h 5m)



NGC 6744, LATE GALAXY SURVEY

FIELD CENTER: $19^{\text{h}}05^{\text{m}}18.9^{\text{s}}$ $-63^{\circ}56'17''$ (B1950)
 $19^{\text{h}}10^{\text{m}}03.2^{\text{s}}$ $-63^{\circ}51'25''$ (J2000)
 $l: 332.23$ $b: -26.18$

DATE: 1980/270 - 1980/270
 LIVETIME: 20546.1s
 ROLL ANGLE: 102.8°

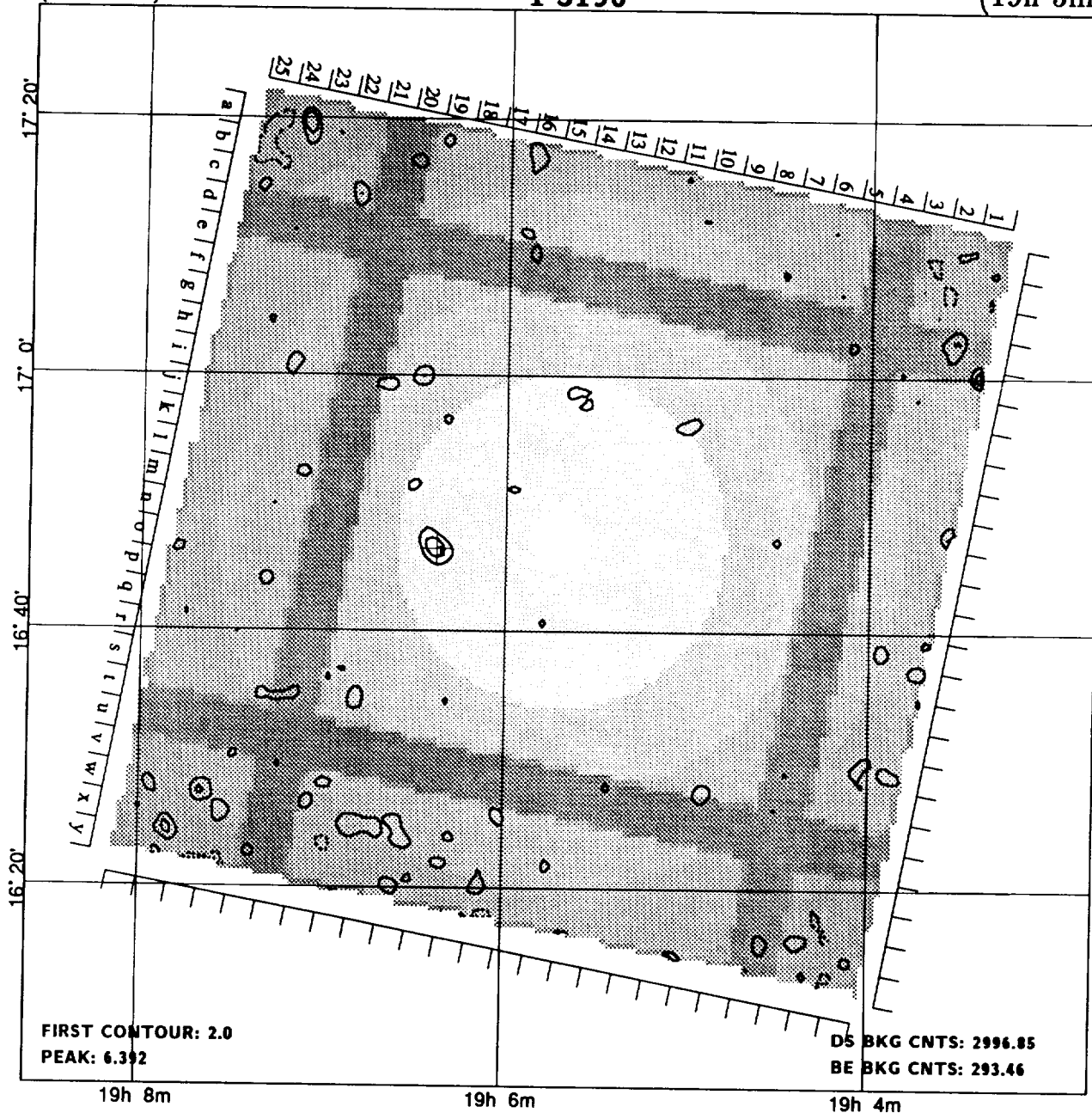
NH: $6.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4180	1	19 01 04.0	-64 06 54	57	*0.0042	0.0012	30.0	42.0	3.5	0.7	603	29.9	H	
4181	2	19 03 59.0	-63 53 12	41	0.00437	0.00088	61.1	89.9	5.0	0.7	0	9.4	H	G
4184	3	19 05 18.5	-63 54 52	31	0.0129	0.0011	196.2	99.8	11.4	1.5	0	1.5	H	
4191	4	19 06 33.3	-64 21 34	53	0.0075	0.0013	60.7	59.3	5.5	1.3	0	26.5	H	
4192	5	19 06 48.2	-63 44 52	53	0.00345	0.00088	41.8	71.2	3.9	0.9	0	15.3	H	
4193	6	19 06 52.6	-63 39 51	50	0.0075	0.0011	79.7	68.3	6.6	1.2	100	19.3	H	
4194	7	19 07 00.8	-64 05 14	38	0.0150	0.0013	182.5	67.5	11.5	2.2	0	14.4	H	
4197	8	19 07 24.6	-63 50 44	51	*0.00366	0.00087	44.1	66.9	4.2	0.6	603	15.1	H	
4198	9	19 07 50.2	-64 07 06	51	0.0060	0.0011	61.9	71.1	5.4	1.0	200	19.9	H	

(19h 5m)

I 5196

(19h 5m)



STAR HR 7260, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $19^{\text{h}}05^{\text{m}}41.8^{\text{s}}$ $16^{\circ}46'29''$ (B1950)
 $19^{\text{h}}07^{\text{m}}56.2^{\text{s}}$ $16^{\circ}51'18''$ (J2000)
 ℓ : 49.80 b : 4.07

DATE: 1979/291 - 1979/291

NH: $4.9\text{E}+21$

LIVETIME: 2428.4s

REF/ID:

ROLL ANGLE: 100.8°

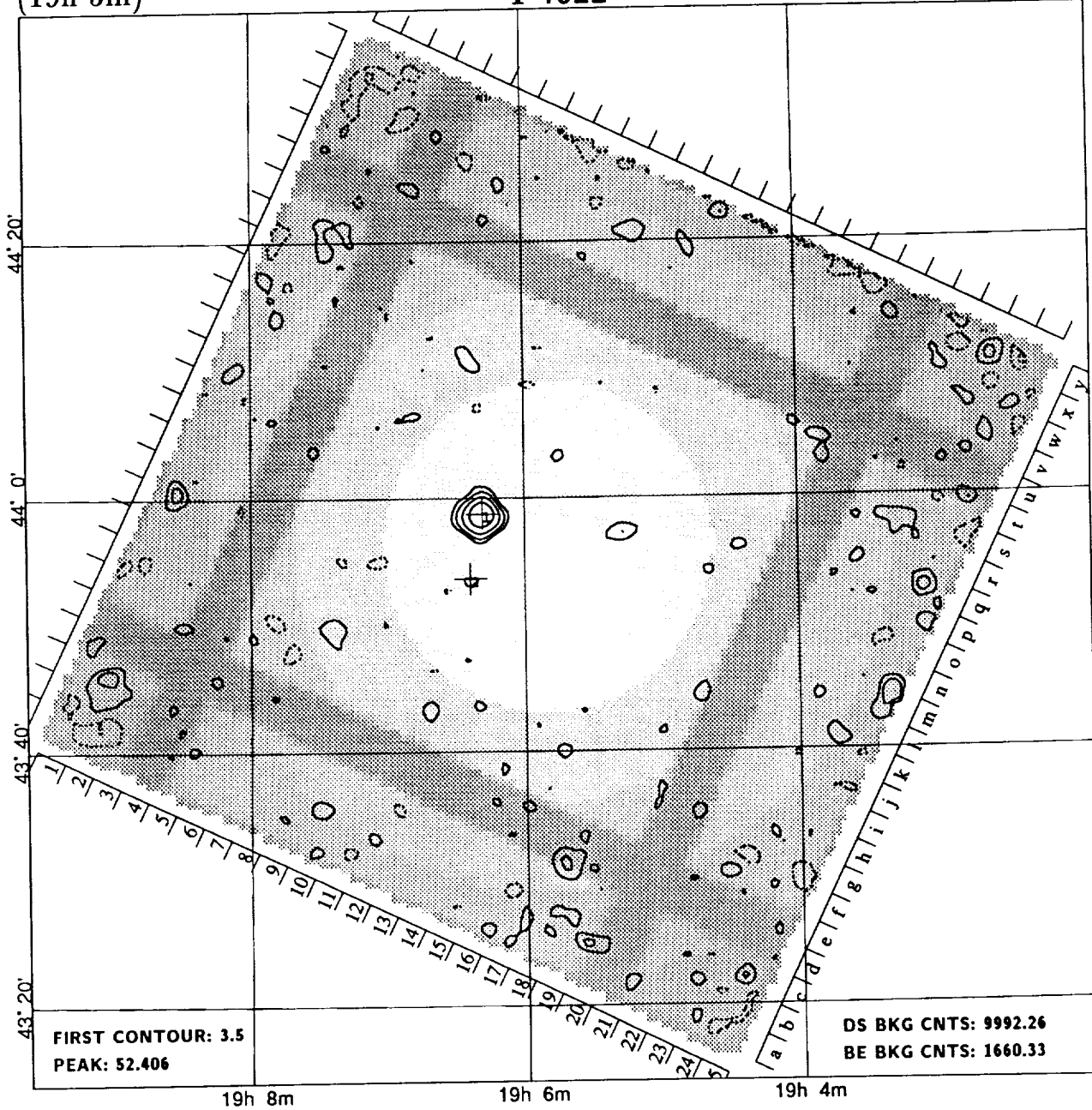
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
4189	1	19 06 22.9	16 46 26	44	0.0136	0.0033	21.9	7.1	4.1	0.7	0	10.0	H	S

(19h 5m)

I 4622

(19h 5m)



FIELD CENTER: $19^{\text{h}}05^{\text{m}}44.8^{\text{s}}$ $43^{\circ}56'11''$ (B1950)
 $19^{\text{h}}07^{\text{m}}16.8^{\text{s}}$ $44^{\circ}00'58''$ (J2000)
 $\ell: 74.71$ $b: 15.82$

DATE: 1980/120 - 1980/122
 LIVETIME: 8387.8s
 ROLL ANGLE: -64.6°

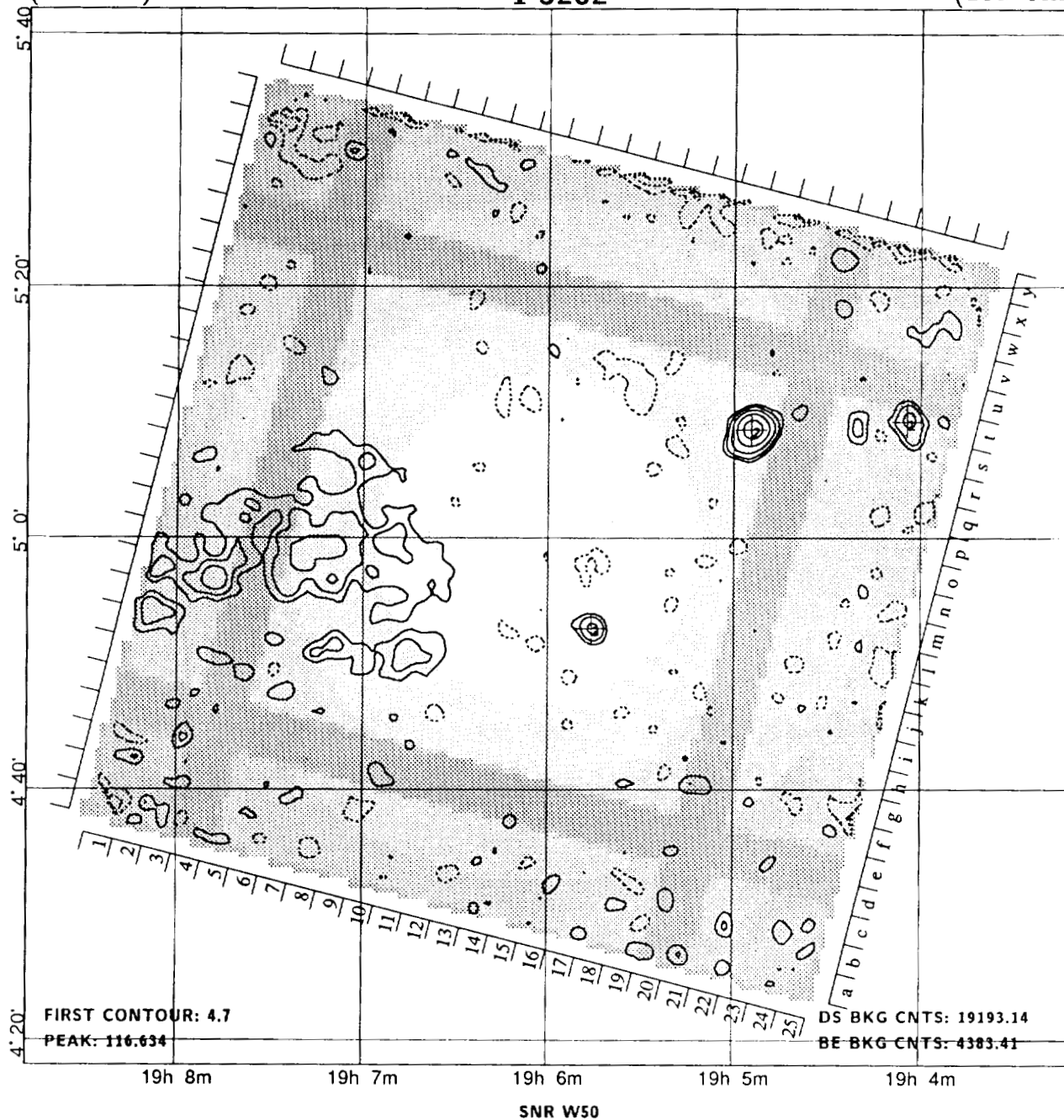
NH: $5.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4188	1	19 06 18.5	43 58 41	38	0.0331	0.0025	195.8	30.2	13.0	1.1	0	6.8	H	
4190	2L	19 06 24.0	43 53 38	47	0.0054	0.0014	31.9	15.1	3.8	0.0	0	7.4		

(19h 5m)

I 5282

(19h 5m)

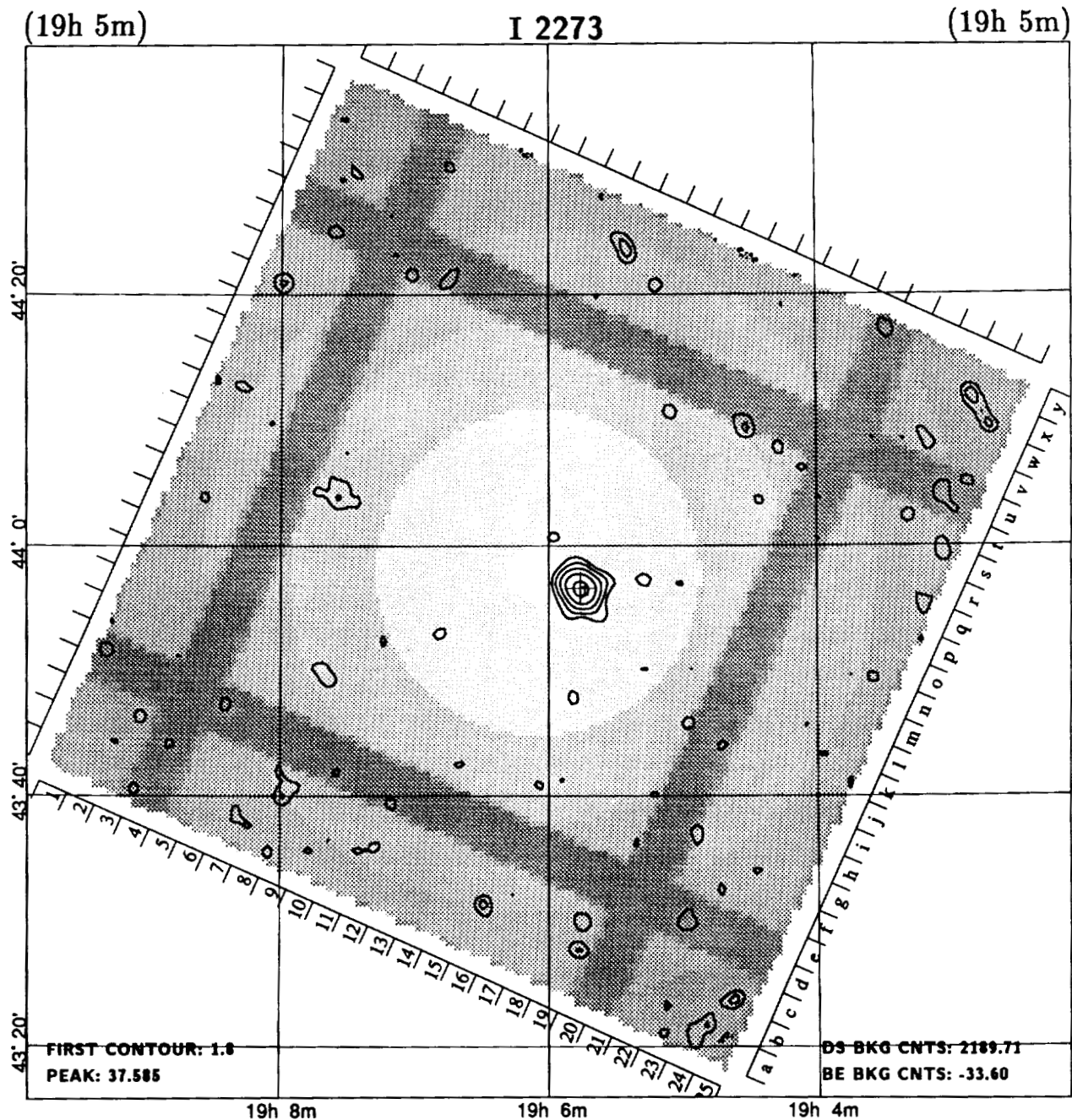


FIELD CENTER: $19^h 05^m 59.8^s$ $04^\circ 59' 59''$ (B1950)
 $19^h 08^m 27.9^s$ $05^\circ 04' 49''$ (J2000)
 $l: 39.39$ $b: -1.46$

DATE: 1980/113 - 1980/115
 LIVETIME: 15552.7s
 ROLL ANGLE: -75.8°

NH: $1.0E+22$
 REF/ID: SNR
 FIELD FLAGS: DS

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4182	1	19 04 04.3	05 09 15	52	*0.0062	0.0016	32.0	33.0	4.0	0.9	603	30.1	H	
4183	2	19 04 54.4	05 08 38	47	0.0372	0.0023	302.3	42.7	16.3	1.1	100	18.3	H	
4186	3	19 05 45.9	04 52 43	39	0.0064	0.0011	67.7	61.3	6.0	0.8	0	8.1		



STELLAR SURVEY-CATAclysmic VARIABLES: MV LYR

FIELD CENTER: $19^h 05^m 59.8^s$ $43^\circ 57' 59''$ (B1950)
 $19^h 07^m 31.7^s$ $44^\circ 02' 47''$ (J2000)
 $l: 74.76$ $b: 15.79$

DATE: 1979/119 - 1979/119
 LIVETIME: 1774.4s
 ROLL ANGLE: -65.9°

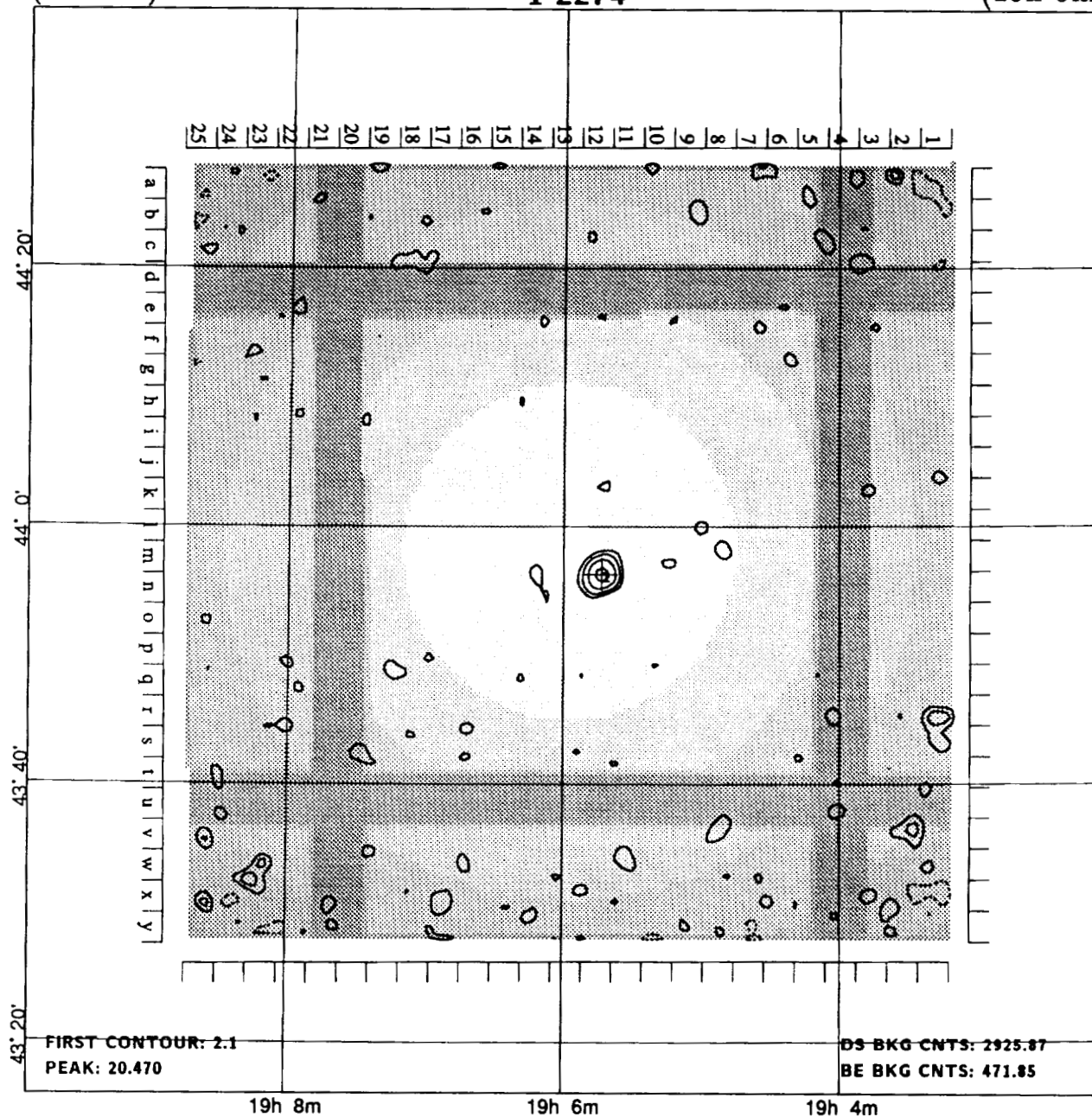
NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4185	1	19 05 45.9	43 56 38	31	0.1060	0.0093	136.6	5.4	11.5	1.1	0	2.9	AH	CV

(19h 5m)

I 2274

(19h 5m)



STELLAR SURVEY-CATAclysmic VARIABLES: MV LYR

FIELD CENTER: $19^{\text{h}}05^{\text{m}}59.8^{\text{s}}$ $43^{\circ}57'59''$ (B1950)
 $19^{\text{h}}07^{\text{m}}31.7^{\text{s}}$ $44^{\circ}02'47''$ (J2000)
 $\ell: 74.76$ $b: 15.79$

DATE: 1979/279 - 1979/279
 LIVETIME: 2370.9s
 ROLL ANGLE: 89.8°

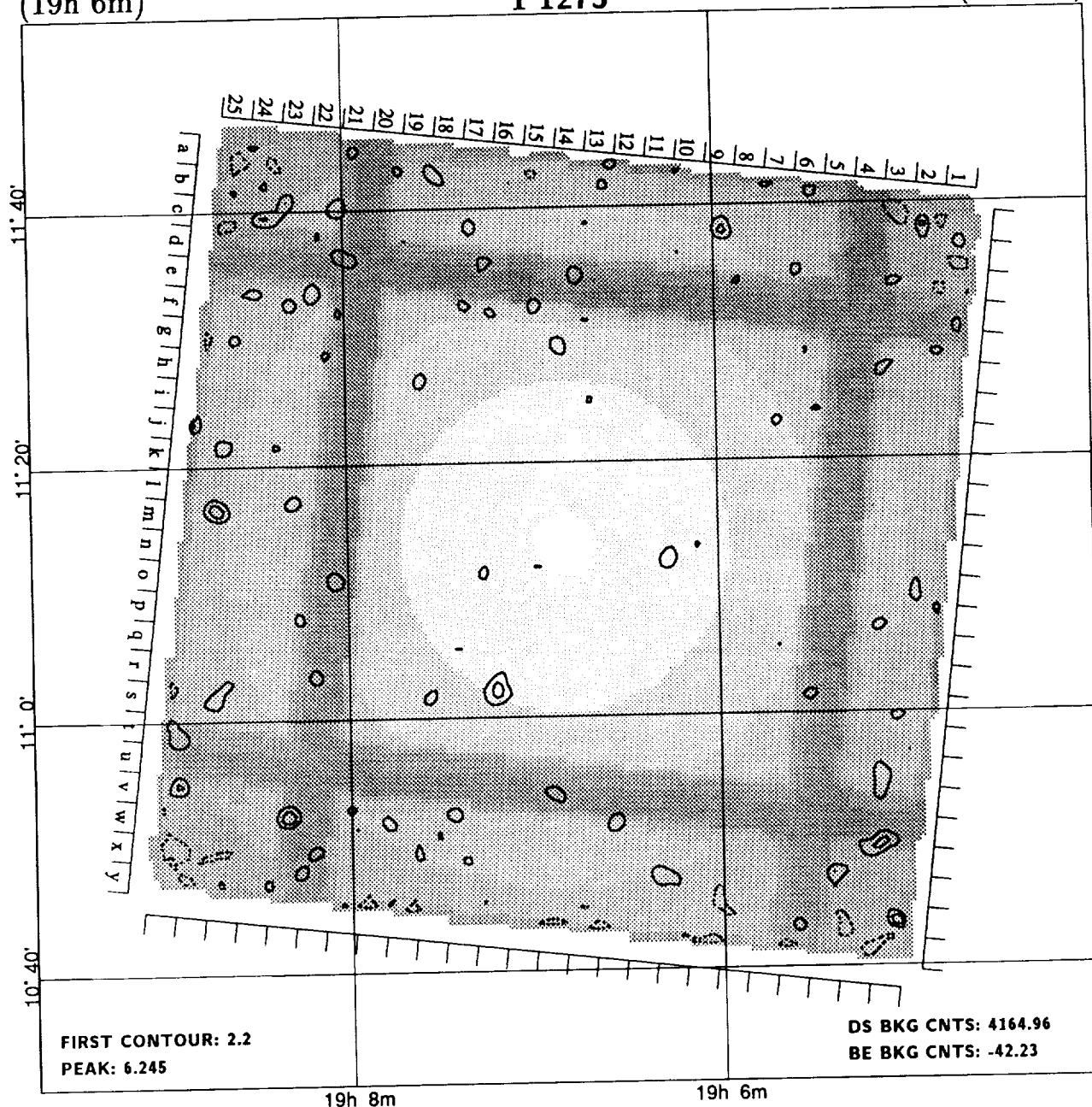
NH: $5.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4185	1	19 05 43.5	43 56 19	32	0.0452	0.0054	78.2	7.8	8.4	0.9	0	3.3	AH	CV

(19h 6m)

I 1273

(19h 6m)



45 DEGREES GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}06^{\text{m}}50.3^{\text{s}}$ $11^{\circ}13'12''$ (B1950)
 $19^{\text{h}}09^{\text{m}}11.4^{\text{s}}$ $11^{\circ}18'06''$ (J2000)
 ℓ : 45.00 b : 1.25

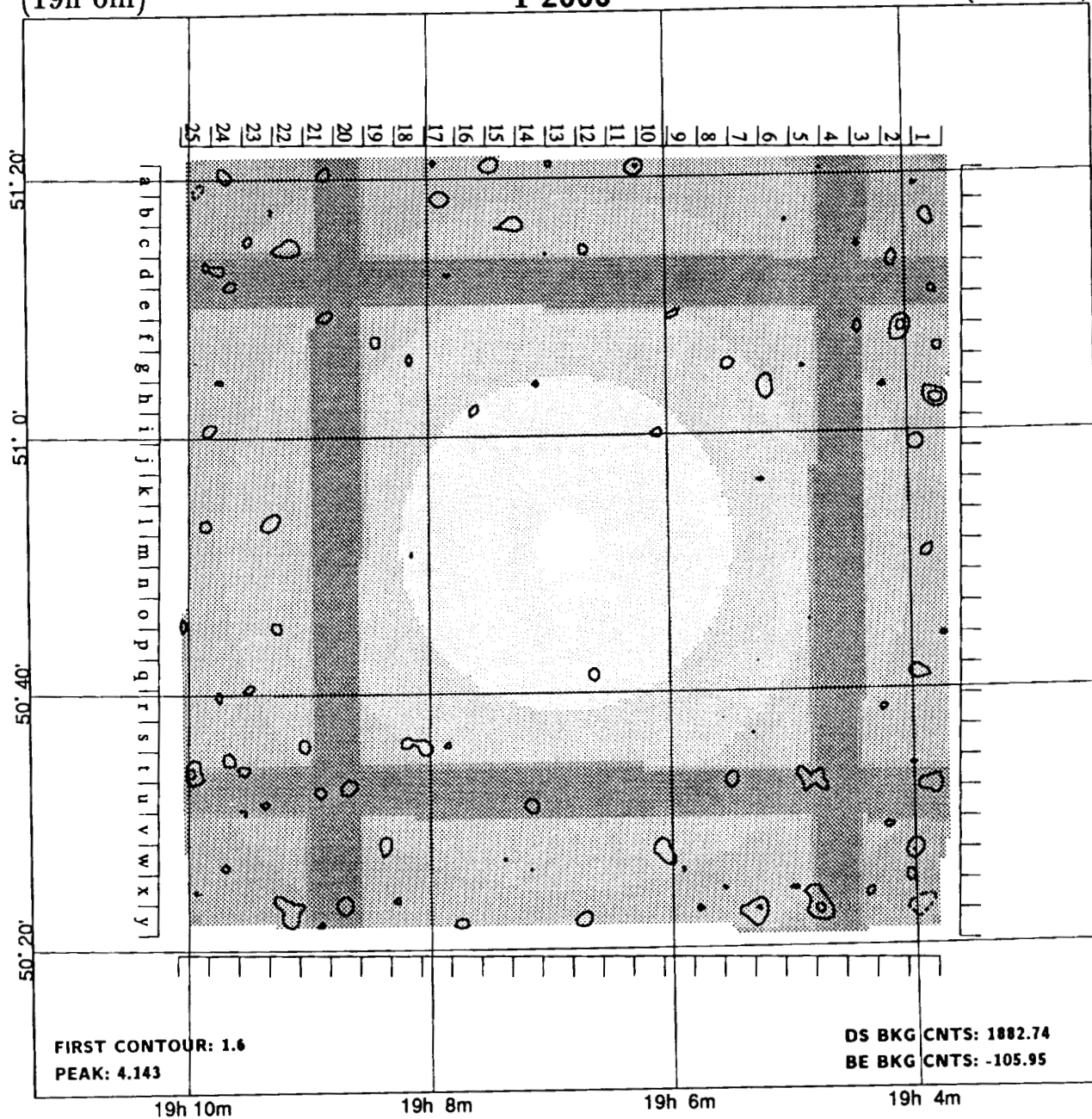
DATE: 1979/284 - 1979/284
 LIVETIME: 3375.0s
 ROLL ANGLE: 96.5°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(19h 6m)

I 2666

(19h 6m)

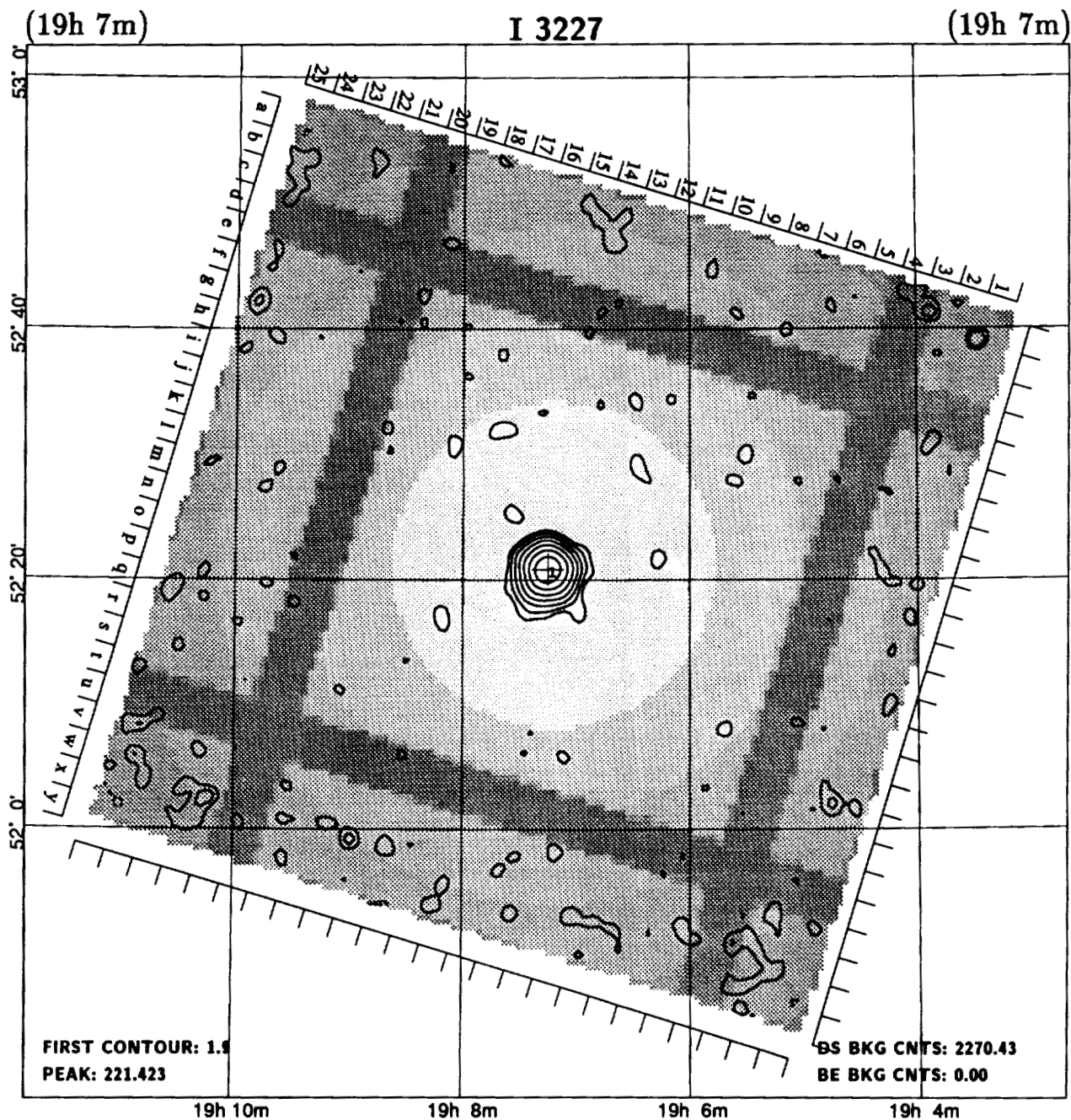


SEYFERT GALAXY SURVEY: NGC6764

FIELD CENTER: $19^{\text{h}}06^{\text{m}}53.9^{\text{s}}$ $50^{\circ}50'59''$ (B1950)
 $19^{\text{h}}08^{\text{m}}09.1^{\text{s}}$ $50^{\circ}55'50''$ (J2000)
 $l: 81.49$ $b: 18.25$

DATE: 1979/281 - 1979/281
 LIVETIME: 1525.6s
 ROLL ANGLE: 90.8°

NH: $6.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:



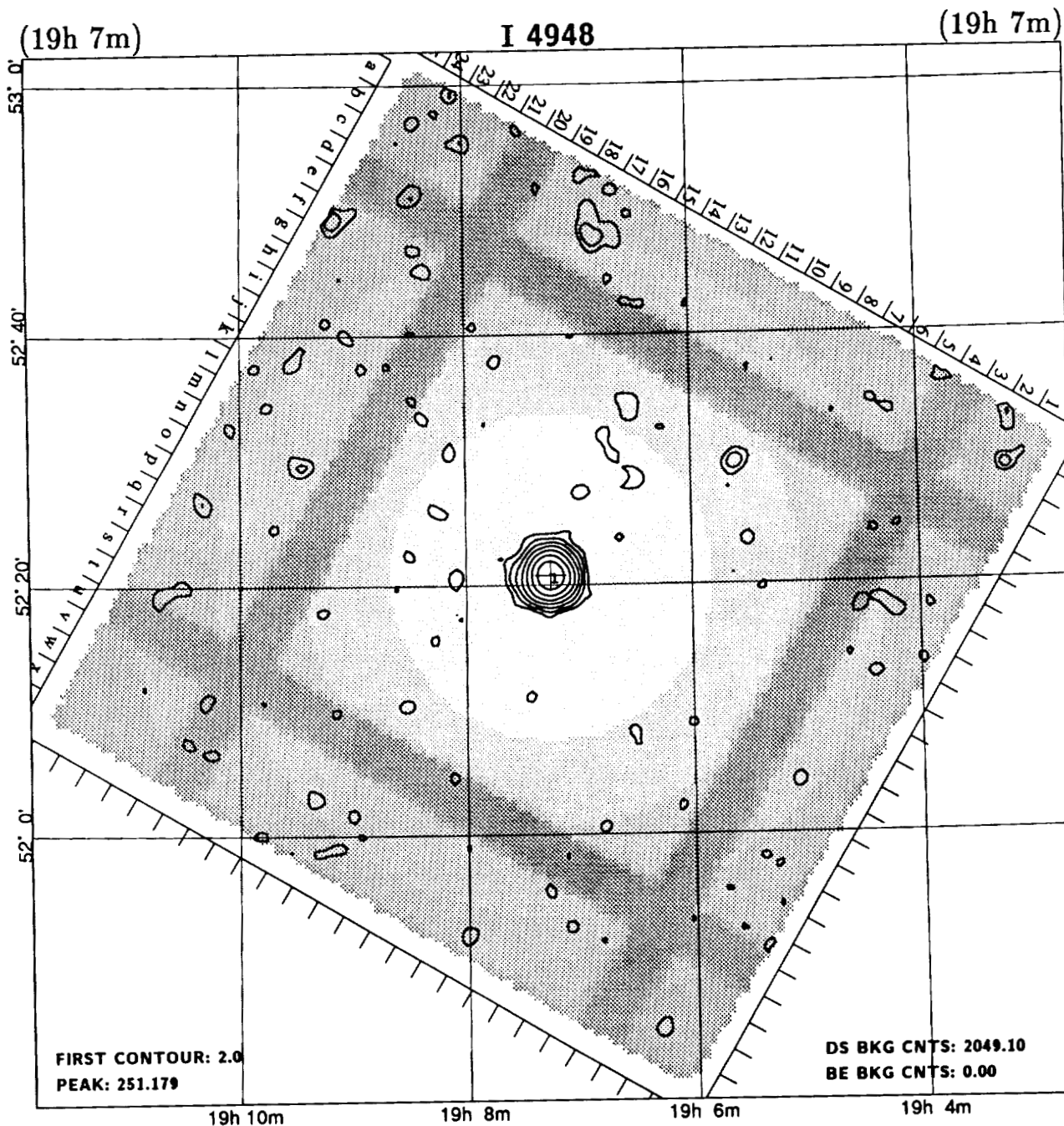
RS CVN SYSTEMS: HR 7275

FIELD CENTER: 19^h07^m15.3^s 52°20'42" (B1950)
 19^h08^m26.2^s 52°25'35" (J2000)
 ℓ : 82.98 b : 18.73

DATE: 1979/298 - 1979/298
 LIVETIME: 1839.8s
 ROLL ANGLE: 106.8°

NH: 6.7E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4195	1L	19 07 15.0	52 20 48	31	0.614	0.026	841.7	122.3	23.7	1.3	0	0.0	A	CV



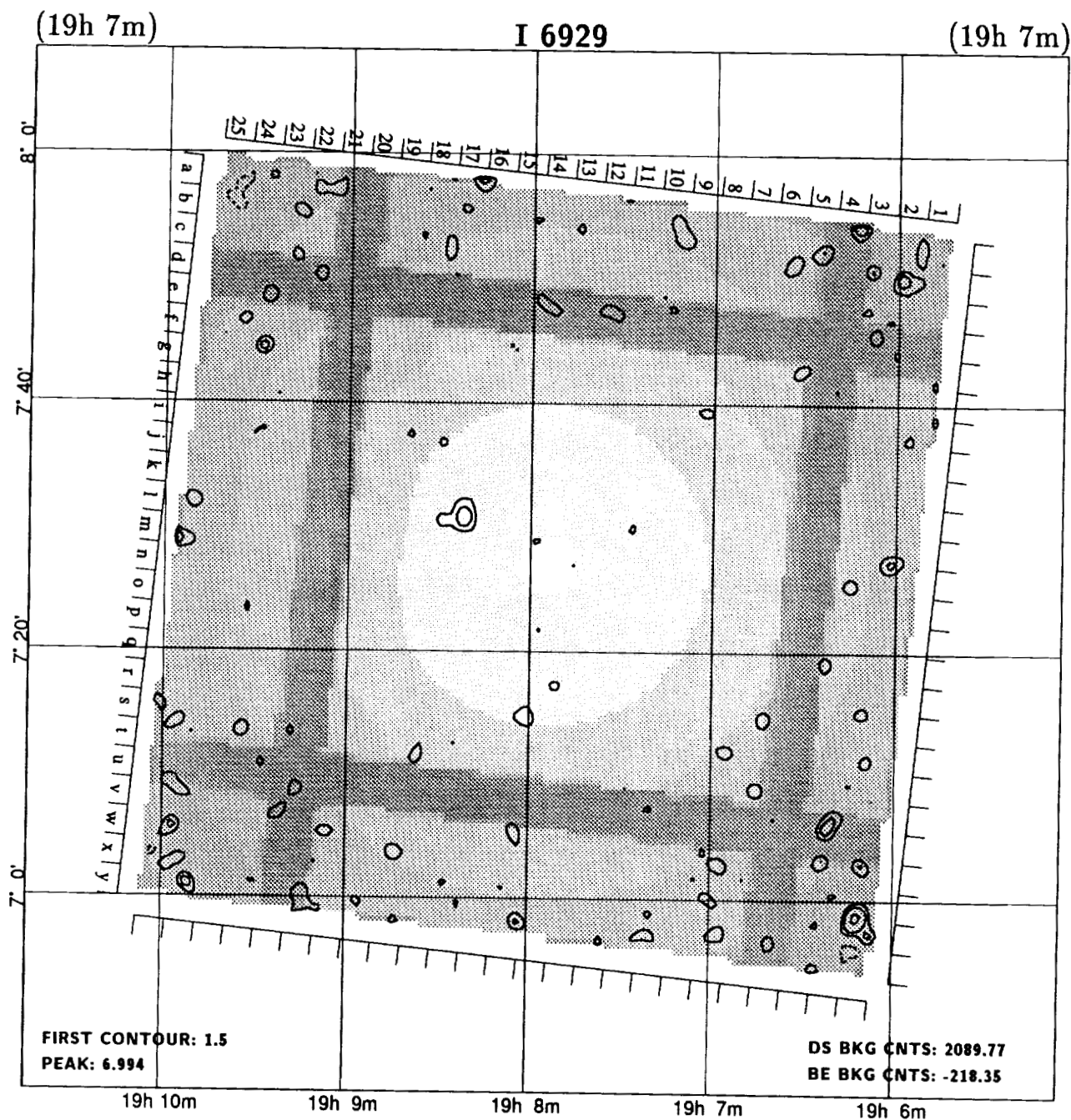
SELECTED SINGLE STARS: HR 7275 (HD 179094)

FIELD CENTER: 19^h07^m16.7^s 52°20'41" (B1950)
19^h08^m27.5^s 52°25'34" (J2000)
 ℓ : 82.98 b : 18.73

DATE: 1979/312 - 1979/312
LIVETIME: 1660.4s
ROLL ANGLE: 120.3°

NH: 6.7E+20
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4195	1L	19 07 15.2	52 20 46	31	0.788	0.030	975.7	98.3	26.3	1.2	0	0.2	A	CV

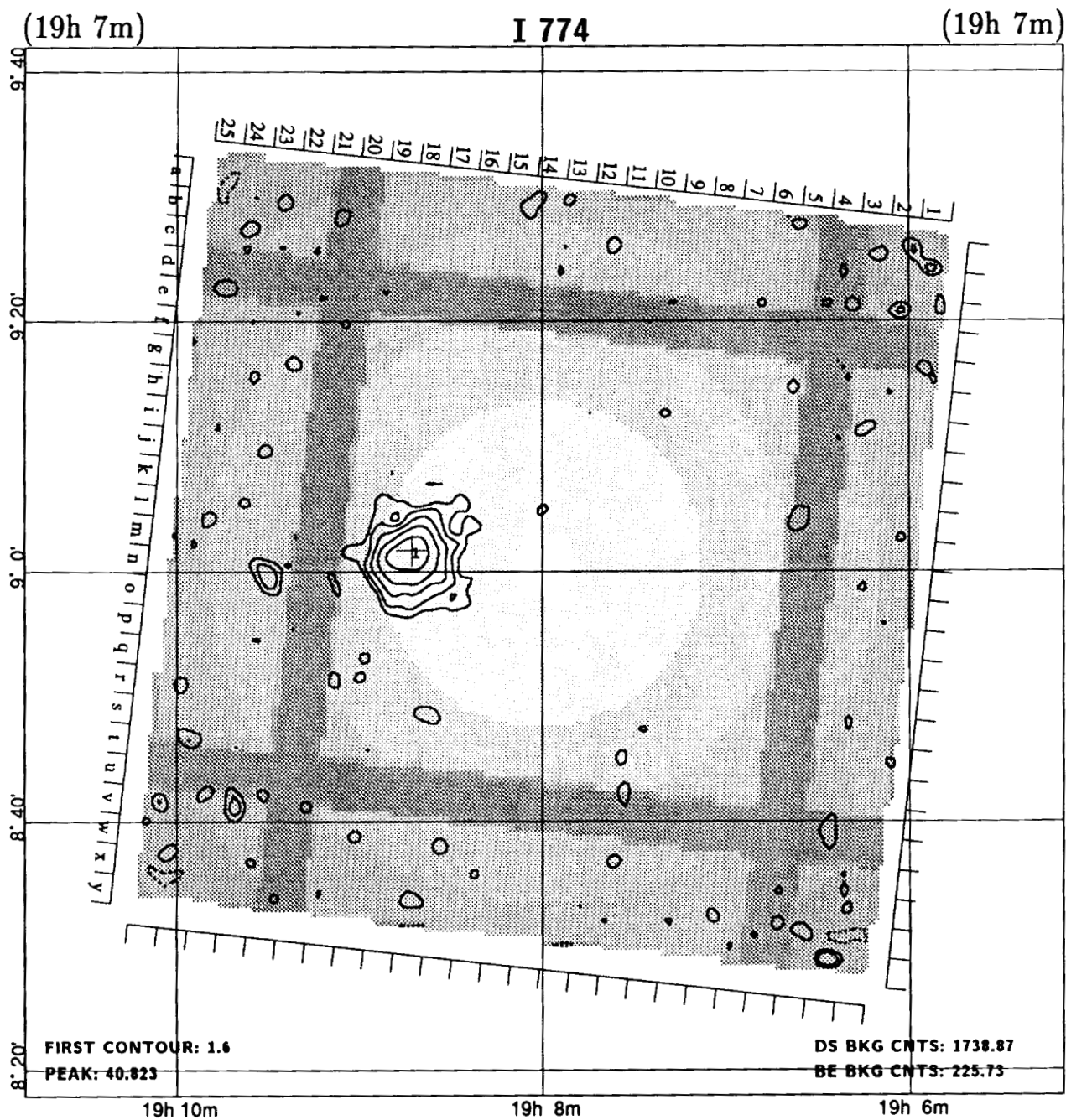


3A 1907+074, GALACTIC SOURCE LOCATIONS & SPECTRA I

FIELD CENTER: $19^{\text{h}}07^{\text{m}}54.8^{\text{s}} \ 07^{\circ}26'23''$ (B1950)
 $19^{\text{h}}10^{\text{m}}20.2^{\text{s}} \ 07^{\circ}31'21''$ (J2000)
 $l: 41.78 \ b: -0.74$

DATE: 1980/283 - 1980/283
 LIVETIME: 1693.4s
 ROLL ANGLE: 95.9°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:

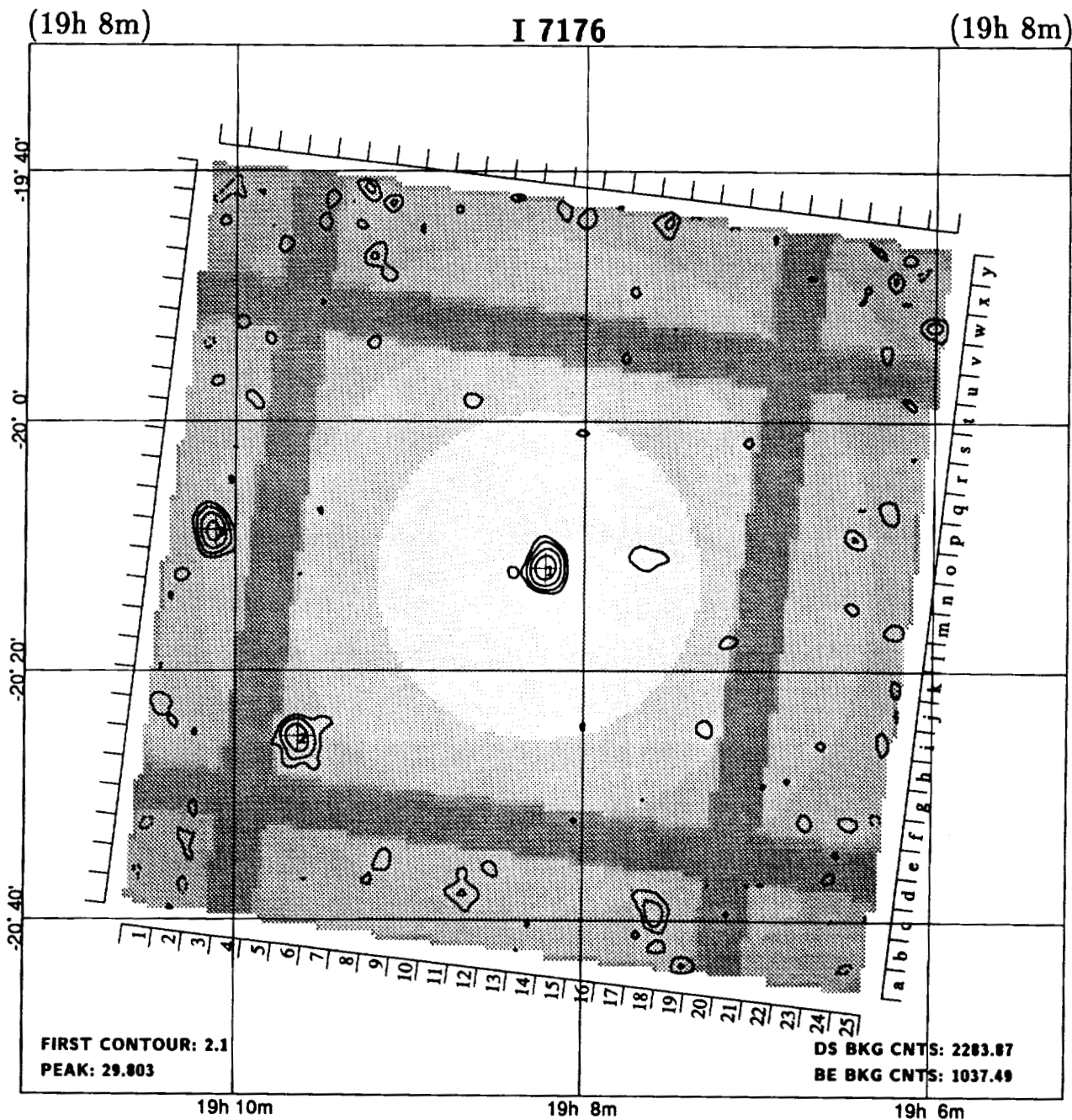


FIELD CENTER: $19^{\text{h}}07^{\text{m}}59.8^{\text{s}}$ $08^{\circ}59'59''$ (B1950)
 $19^{\text{h}}10^{\text{m}}23.4^{\text{s}}$ $09^{\circ}04'58''$ (J2000)
 $l: 43.17$ $b: -0.03$

DATE: 1979/284 - 1979/284
 LIVETIME: 1409.1s
 ROLL ANGLE: 96.4°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4203	1	19 08 43.0	09 01 44	38	0.200	0.015	185.7	4.3	13.5	2.7	0	10.7	AH	SNR



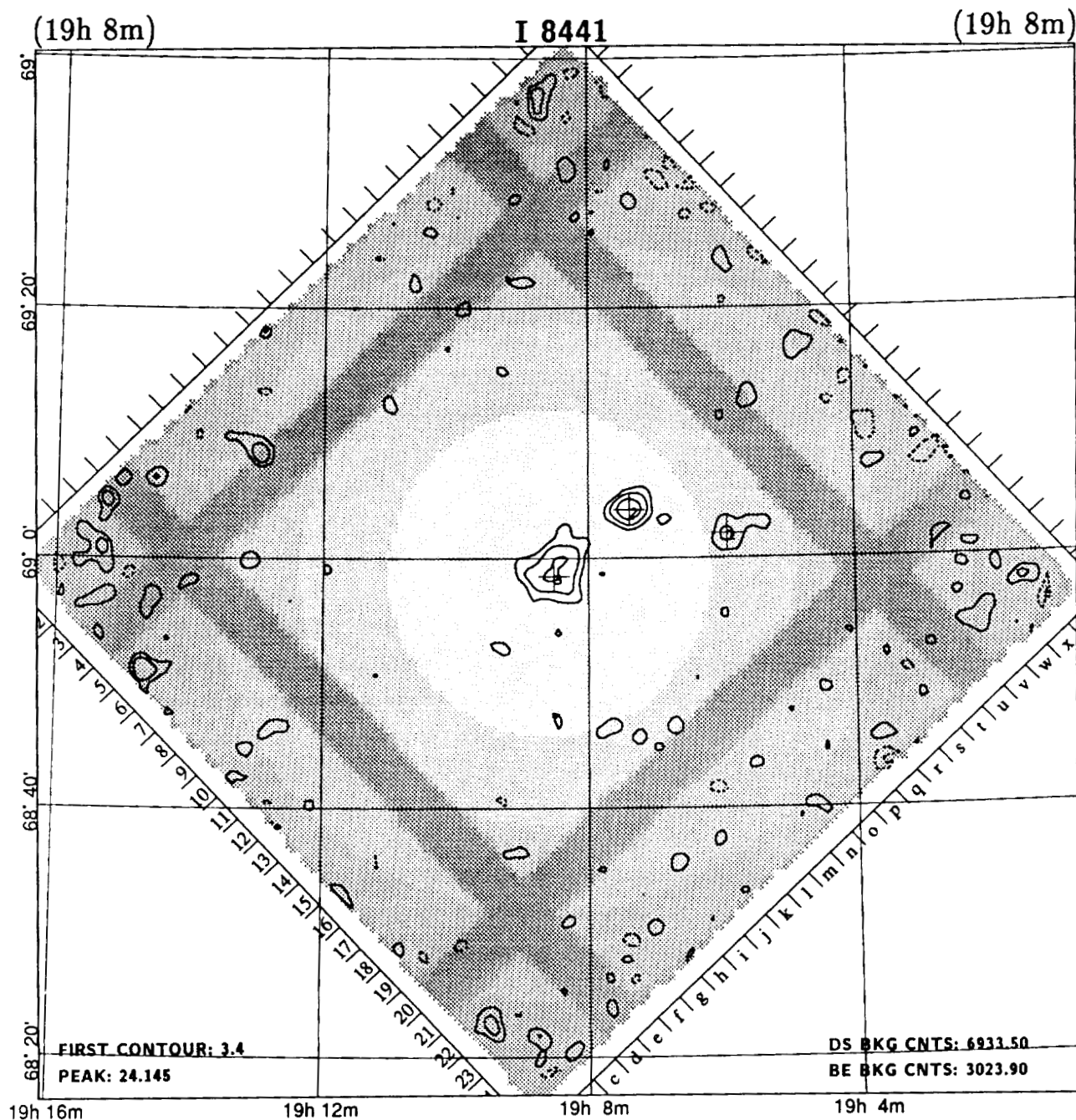
OV -213, BURSTING RADIO SOURCE

FIELD CENTER: 19^h08^m12.7^s -20°12'03" (B1950)
19^h11^m09.9^s -20°07'03" (J2000)
ℓ: 16.87 b: -13.22

DATE: 1980/ 97 - 1980/ 97
LIVETIME: 1917.2s
ROLL ANGLE: -83.4°

NH: 9.8E+20
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4199	1L	19 08 13.4	-20 11 41	31	0.0768	0.0087	109.6	10.4	8.7	1.0	0	0.5	
4205	2L	19 09 38.3	-20 25 15	51	0.0368	0.0086	32.4	9.6	4.1	1.2	500	24.0	
4207	3L	19 10 06.8	-20 08 40	50	0.051	0.010	39.6	9.4	4.7	0.9	0	27.0	

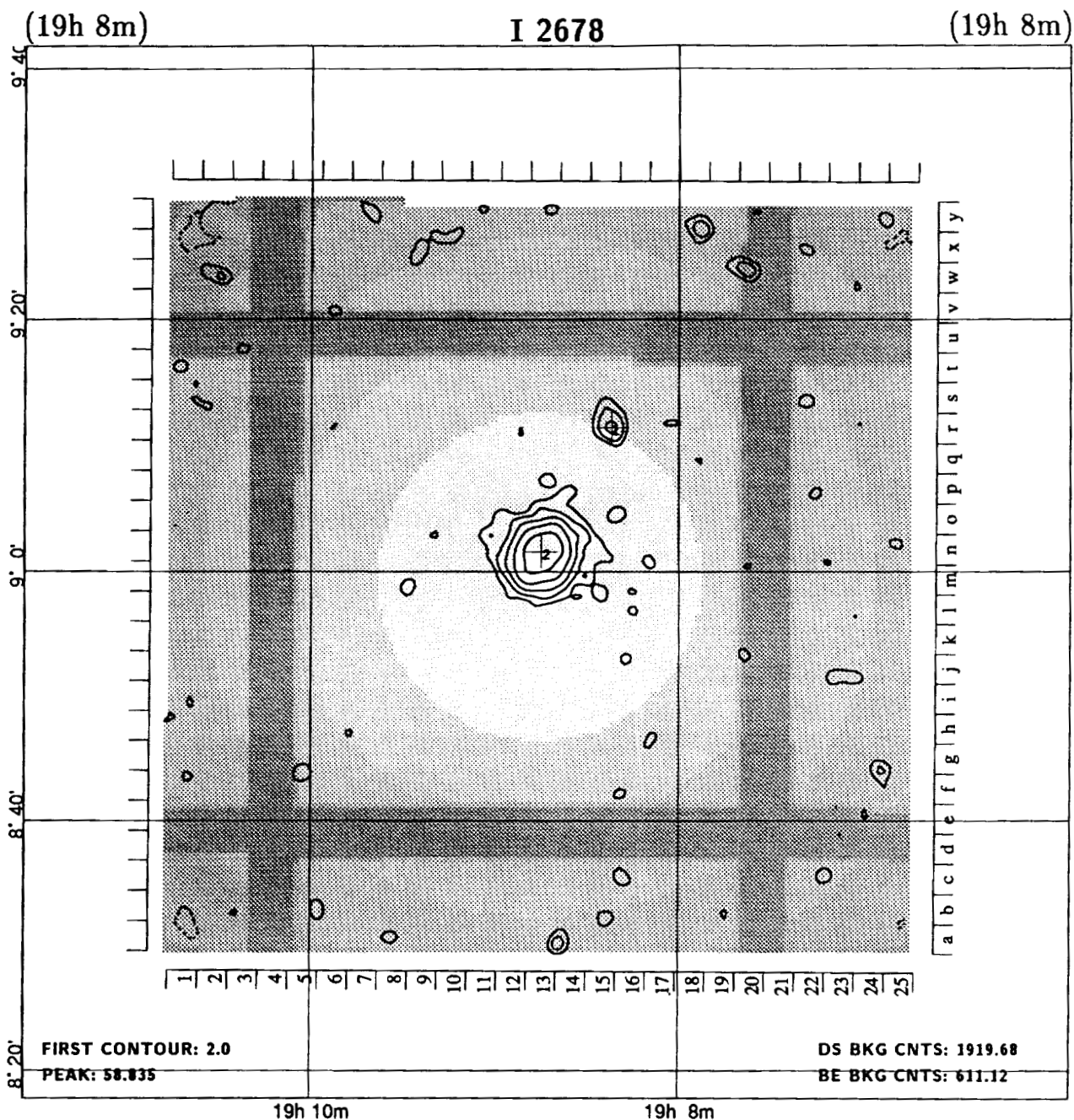


FIELD CENTER: 19^h08^m29.8^s 68°58'59" (B1950)
19^h08^m17.0^s 69°03'54" (J2000)
l: 100.02 b: 23.74

DATE: 1980/144 - 1980/144
LIVETIME: 5618.4s
ROLL ANGLE: -43.4°

NH: 6.9E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4187	1	19 05 54.7	69 01 58	46	0.0077	0.0020	25.9	20.1	3.8	1.0	0	14.3	H	
4196	2	19 07 22.8	69 03 52	38	0.0211	0.0027	80.8	26.2	7.8	1.0	0	7.8	H	
4202	3	19 08 31.3	68 58 33	35	0.0181	0.0024	75.6	26.4	7.5	1.7	0	0.2	H	



3C 398.0: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: $19^{\text{h}}08^{\text{m}}42.7^{\text{s}}$ $08^{\circ}59'48''$ (B1950)
 $19^{\text{h}}11^{\text{m}}06.3^{\text{s}}$ $09^{\circ}04'50''$ (J2000)
 $l: 43.25$ $b: -0.19$

DATE: 1979/ 85 - 1979/ 85
 LIVETIME: 1555.6s
 ROLL ANGLE: -89.7°

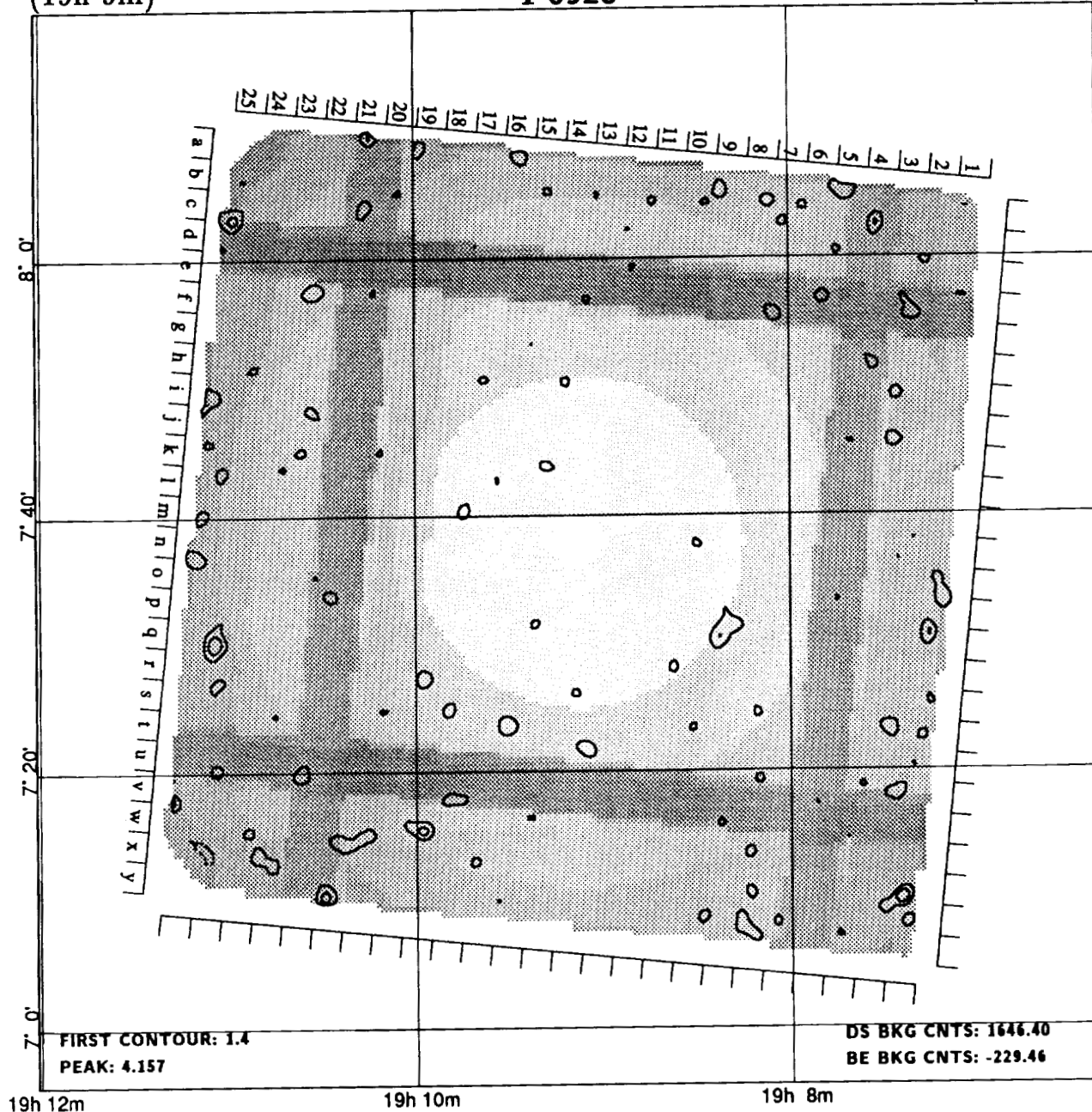
NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

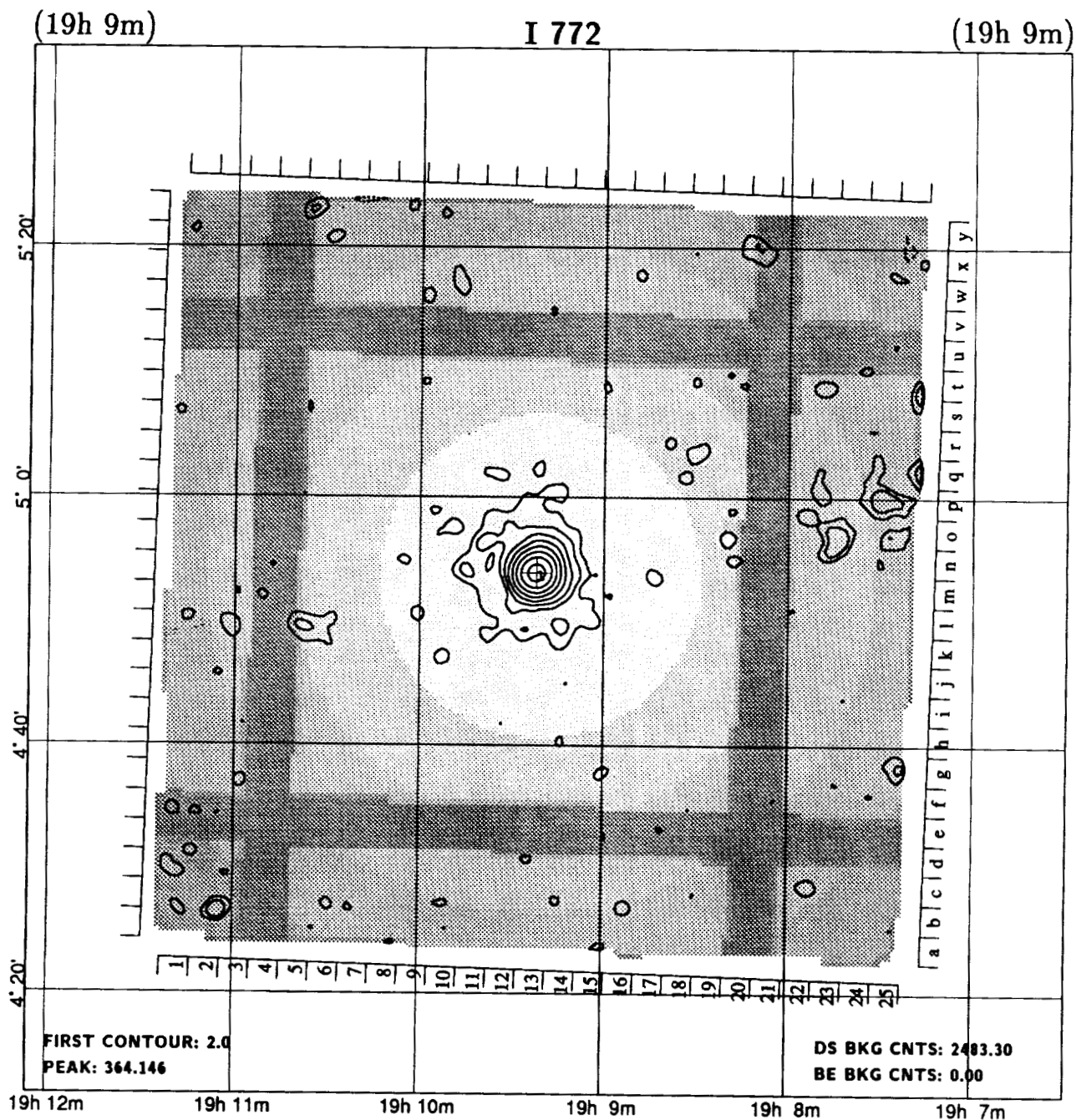
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4200	1	19 08 22.0	09 11 23	42	0.0305	0.0061	29.3	5.7	5.0	0.9	0	12.6	H	*
4203	2	19 08 44.9	09 01 33	31	0.238	0.015	272.8	6.2	16.3	2.3	0	1.9	AH	SNR

(19h 9m)

I 6928

(19h 9m)





W 50 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $19^{\text{h}}09^{\text{m}}17.9^{\text{s}}$ $04^{\circ}53'59''$ (B1950)
 $19^{\text{h}}11^{\text{m}}46.2^{\text{s}}$ $04^{\circ}59'03''$ (J2000)
 $l: 39.69$ $b: -2.23$

DATE: 1979/ 87 - 1979/ 87
LIVETIME: 2012.3s
ROLL ANGLE: -88.2°

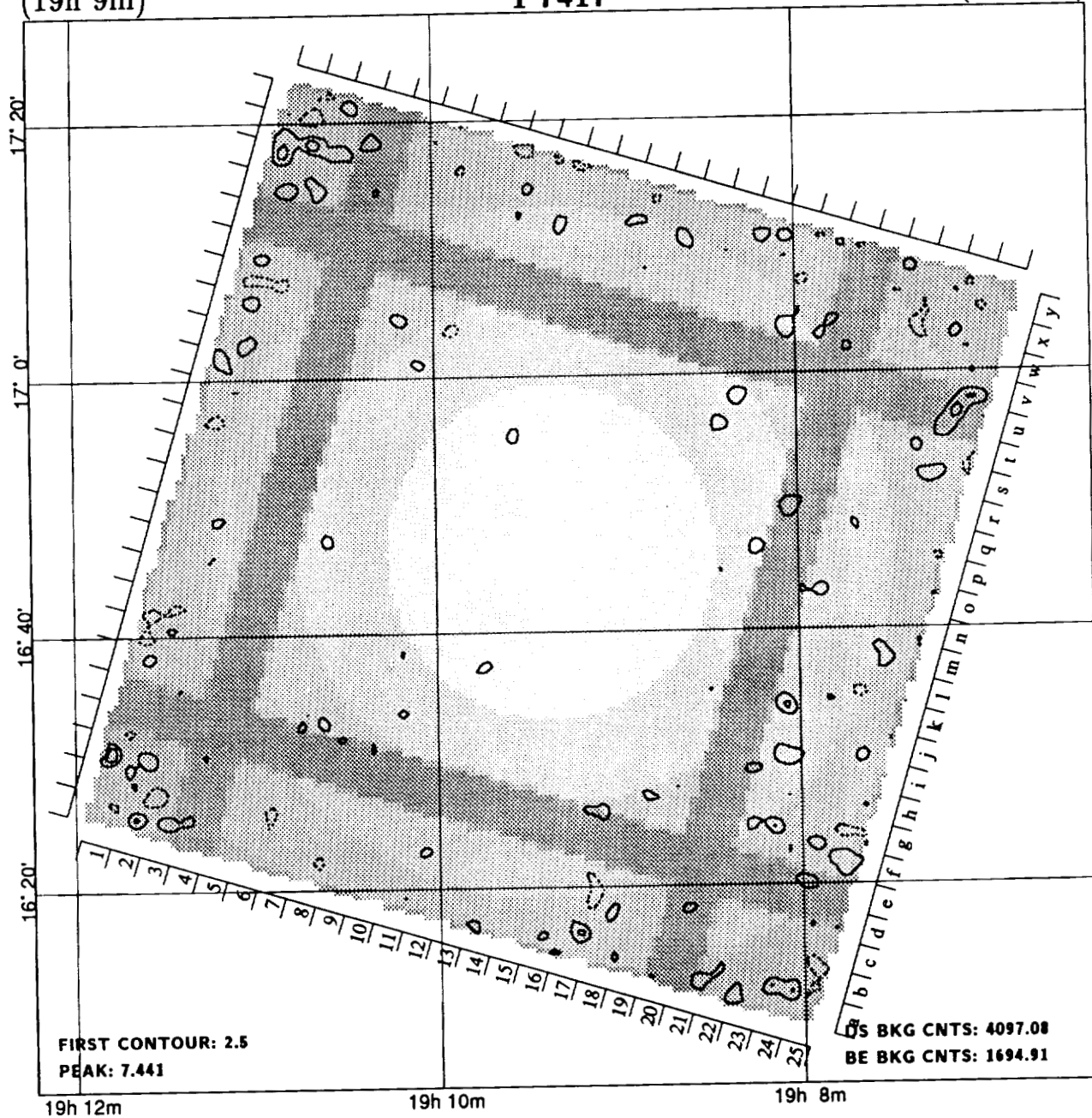
NH: $7.8\text{E}+21$
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4204	1L	19 09 22.0	04 53 55	31	0.898	0.028	1347.6	82.4	31.7	1.3	0	1.0	A	•

(19h 9m)

I 7417

(19h 9m)



FIRST CONTOUR: 2.5
PEAK: 7.441

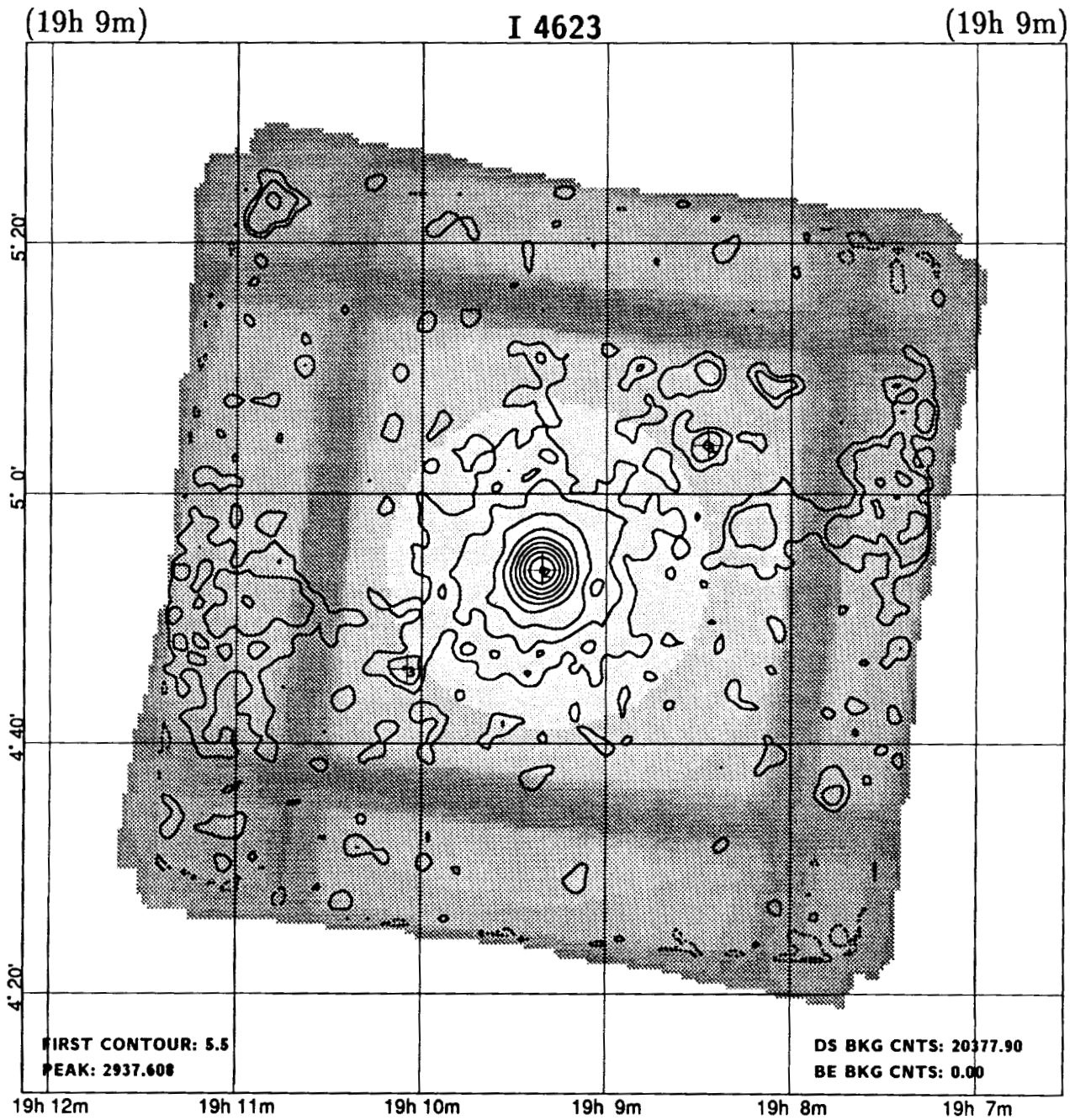
DS BKG CNTS: 4097.08
BE BKG CNTS: 1694.91

MI-67, WN7/ WN8-TYPE STAR

FIELD CENTER: $19^{\text{h}}09^{\text{m}}18.8^{\text{s}}$ $16^{\circ}46'25''$ (B1950)
 $19^{\text{h}}11^{\text{m}}33.3^{\text{s}}$ $16^{\circ}51'29''$ (J2000)
 ℓ : 50.20 b : 3.30

DATE: 1981/ 99 - 1981/ 99
LIVETIME: 3320.0s
ROLL ANGLE: -73.5°

NH: $6.6\text{E}+21$
REF/ID: S
FIELD FLAGS: L



SS 433 VARIABILITY STUDY

FIELD CENTER: $19^{\text{h}}09^{\text{m}}19.8^{\text{s}}$ $04^{\circ}53'59''$ (B1950)
 $19^{\text{h}}11^{\text{m}}48.0^{\text{s}}$ $04^{\circ}59'03''$ (J2000)
 $l: 39.69$ $b: -2.24$

DATE: 1979/278 - 1979/295
 LIVETIME: 16512.7s

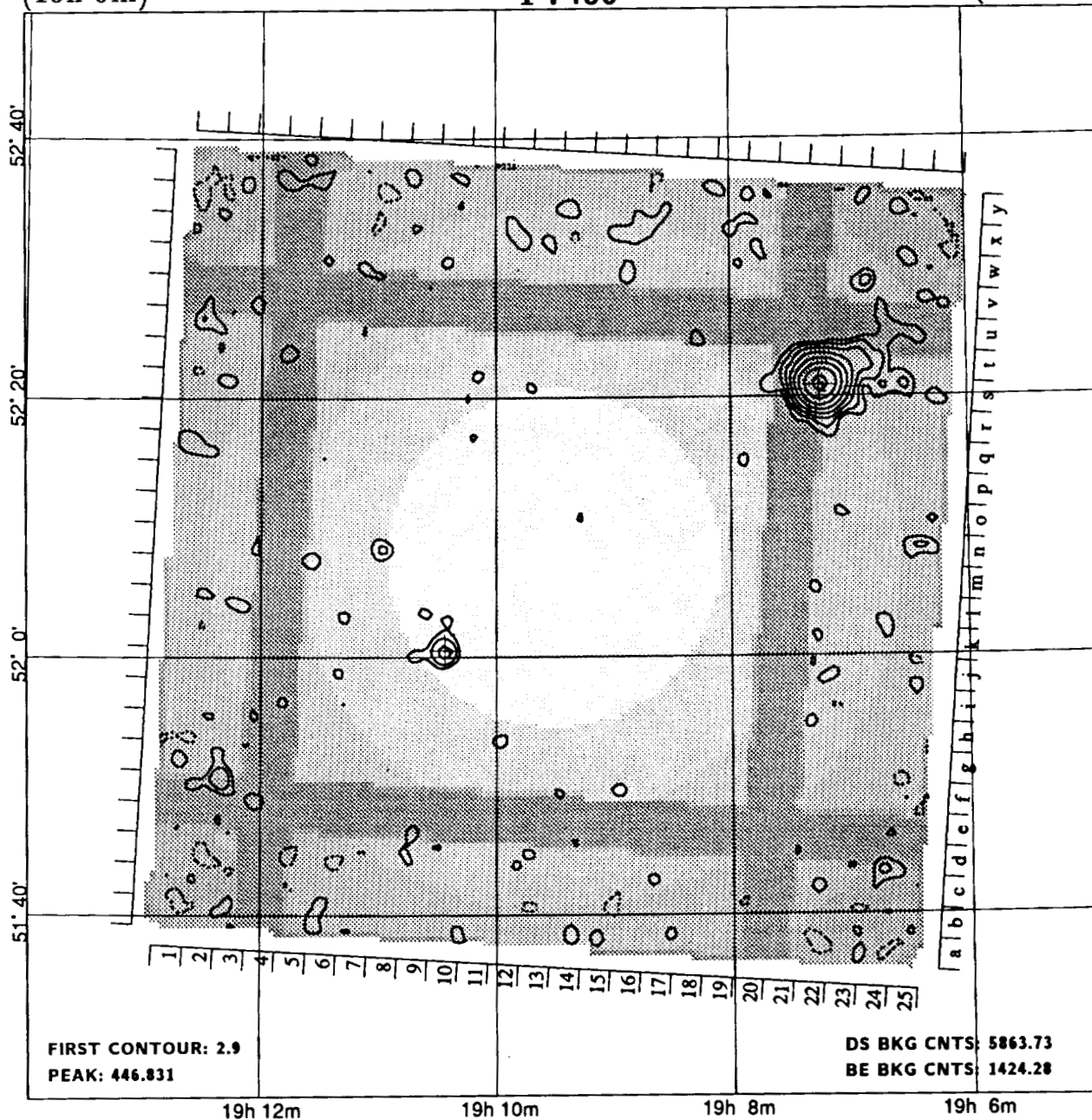
NH: $7.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4201	1L	19 08 26.9	05 03 53	51	0.0061	0.0014	58.6	52.4	4.4	1.2	0	16.5		
4204	2L	19 09 20.9	04 53 58	31	0.8939	0.0097	10999.5	438.5	92.3	1.4	0	0.3	A	*
4206	3L	19 10 04.7	04 46 01	42	0.0055	0.0013	54.8	61.2	4.0	161.7	0	13.8		S

(19h 9m)

I 7486

(19h 9m)



V 1102 CYG, SURVEY OF X-RAY EMISSION FROM BL LAC OBJECTS

FIELD CENTER: $19^{\text{h}}09^{\text{m}}25.9^{\text{s}}$ $52^{\circ}07'59''$ (B1950)
 $19^{\text{h}}10^{\text{m}}37.6^{\text{s}}$ $52^{\circ}13'01''$ (J2000)
 ℓ : 82.90 b : 19.35

DATE: 1980/ 98 - 1980/ 98
 LIVETIME: 4922.2s
 ROLL ANGLE: -86.5°

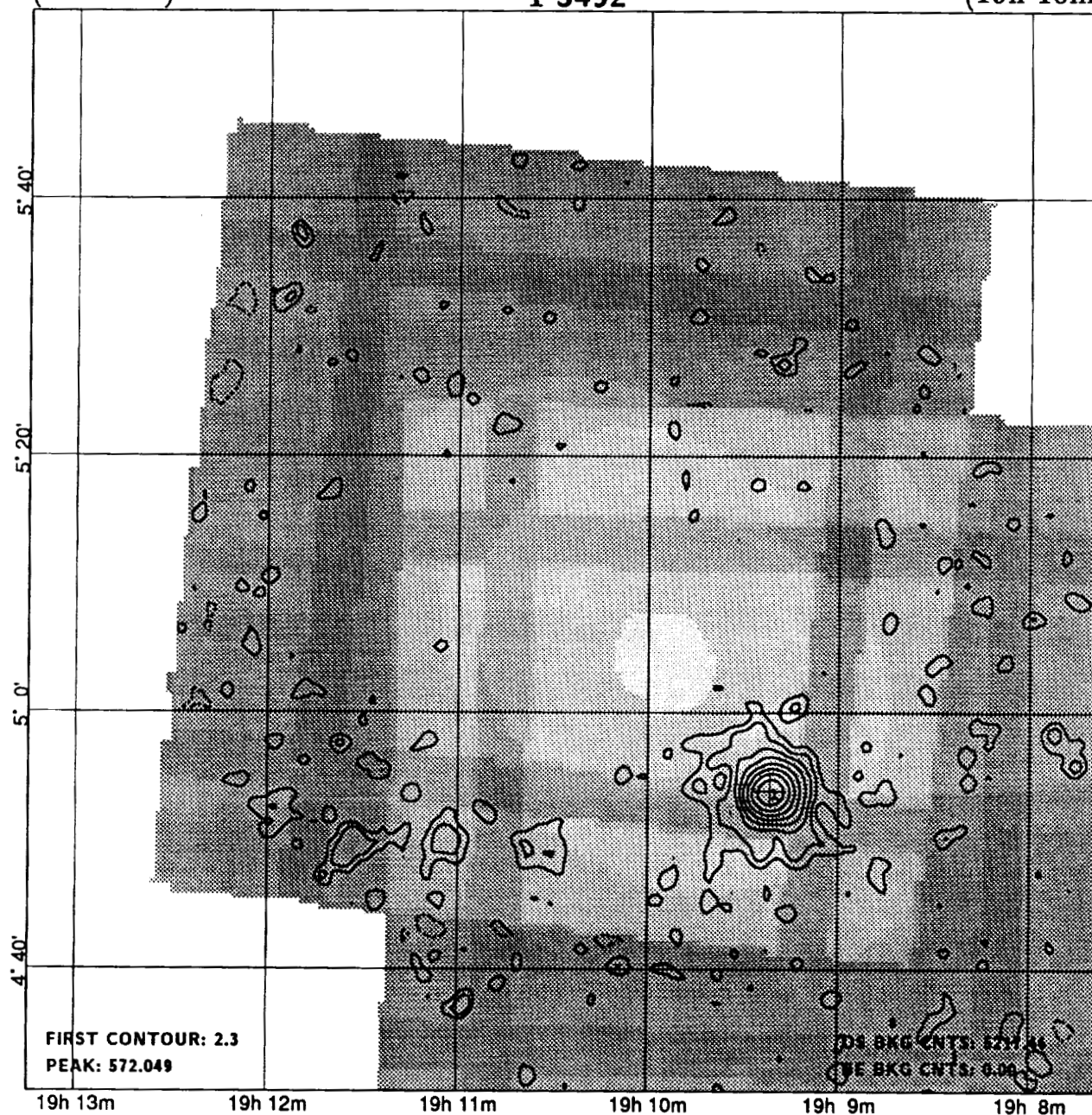
NH: $6.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4195	1	19 07 15.0	52 20 51	47	*0.504	0.015	1084.1	7.9	32.8	1.3	1006	23.7	AH	CV
4208	2	19 10 26.3	52 00 30	41	0.0134	0.0024	42.9	18.1	5.5	0.9	0	11.9	H	

(19h 10m)

I 3492

(19h 10m)



1910+052/G39.7-2.0, COMPACT RADIO SOURCE ASSOCIATED WITH SNR

FIELD CENTER: $19^{\text{h}}10^{\text{m}}26.2^{\text{s}}$ $05^{\circ}12'36''$ (B1950)
 $19^{\text{h}}12^{\text{m}}54.1^{\text{s}}$ $05^{\circ}17'44''$ (J2000)
 $l: 40.10$ $b: -2.34$

DATE: 1979/ 87 - 1979/282
 LIVETIME: 4227.8s

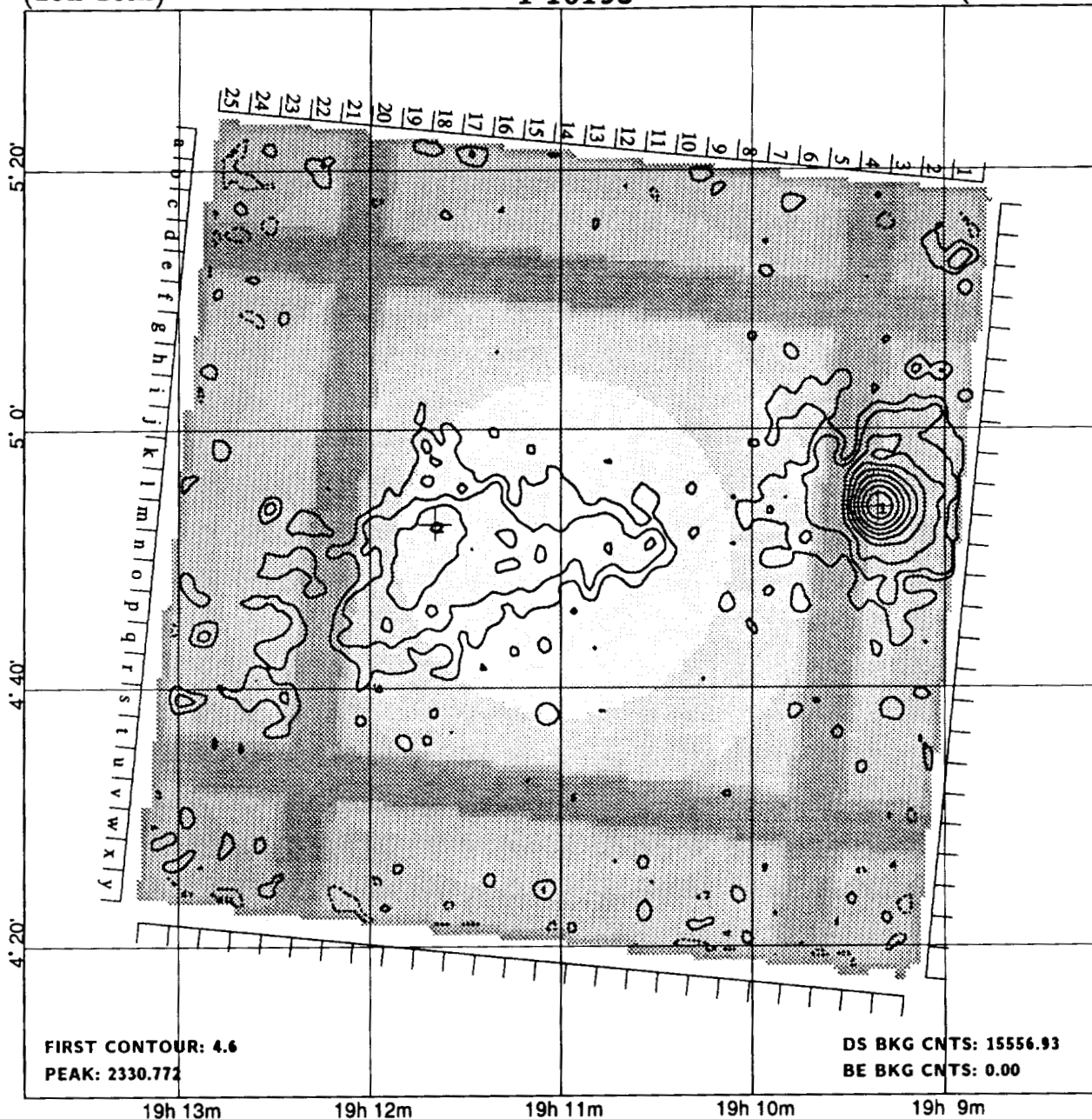
NH: $7.8\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4204	1L	19 09 21.5	04 53 58	47	*0.541	0.027	1583.8	135.2	19.7	1.3	906	24.6	A

(19h 10m)

I 10193

(19h 10m)



SS 433 LOBE SPECTRA, SE

FIELD CENTER: $19^h 10^m 59.8^s$ $04^\circ 50' 29''$ (B1950)
 $19^h 13^m 28.1^s$ $04^\circ 55' 40''$ (J2000)
 $l: 39.83$ $b: -2.63$

DATE: 1980/282 - 1980/282
 LIVETIME: 12606.2s
 ROLL ANGLE: 95.6°

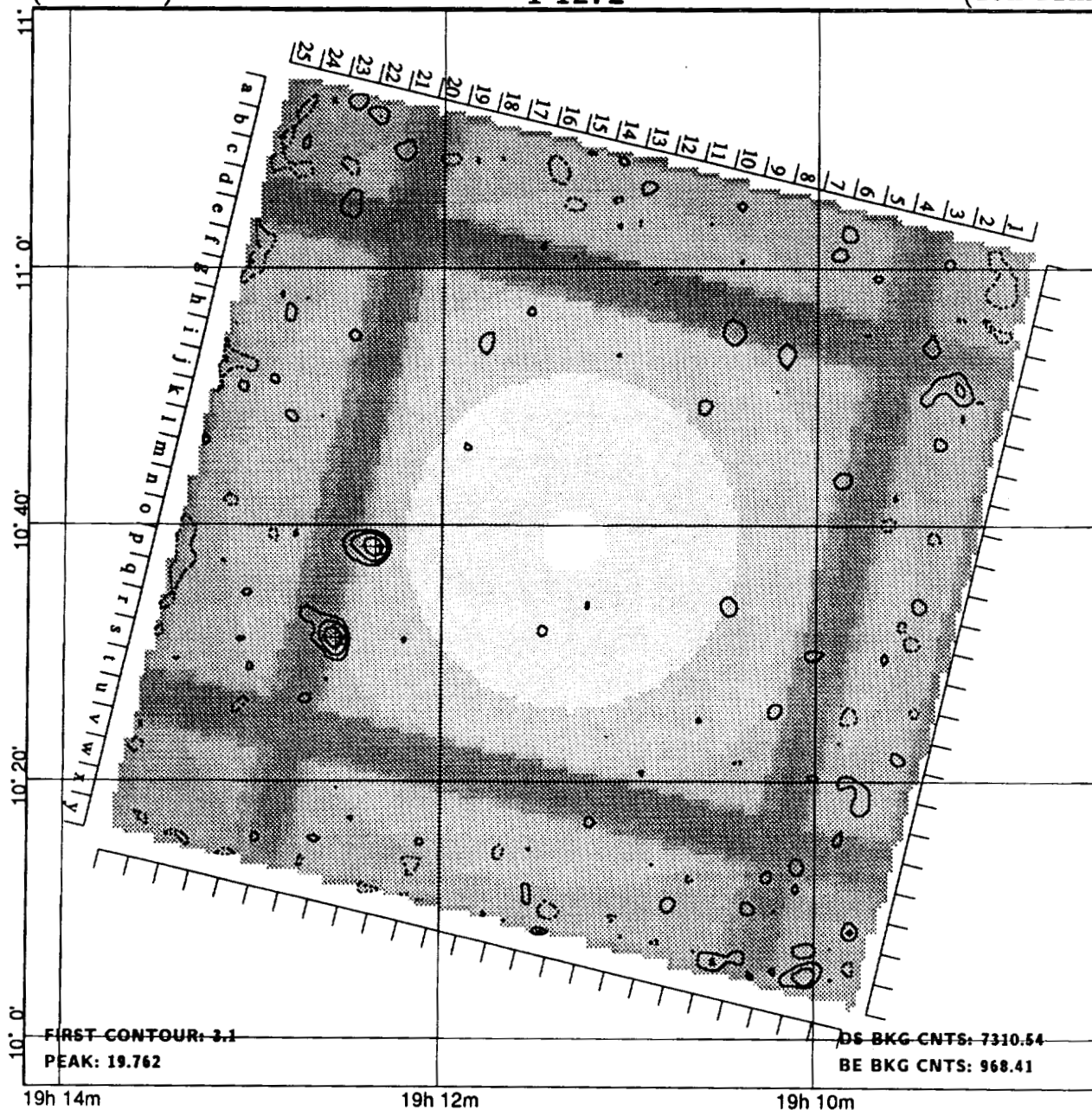
NH: $6.5E+21$
 REF/ID: SNR
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4204	1L	19 09 20.8	04 53 58	47	*1.007	0.019	5558.8	421.7	51.8	1.4	703	24.9	A	•
4210	2L	19 11 39.5	04 52 39	38	0.0113	0.0022	94.7	117.3	5.1	12.8	0	10.0		

(19h 11m)

I 1272

(19h 11m)



45 DEGREES GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}11^{\text{m}}20.6^{\text{s}}$ $10^{\circ}38'12''$ (B1950)
 $19^{\text{h}}13^{\text{m}}42.4^{\text{s}}$ $10^{\circ}43'24''$ (J2000)
 $l: 45.00$ $b: 0.00$

DATE: 1979/297 - 1979/297

NH: $1.4\text{E}+22$

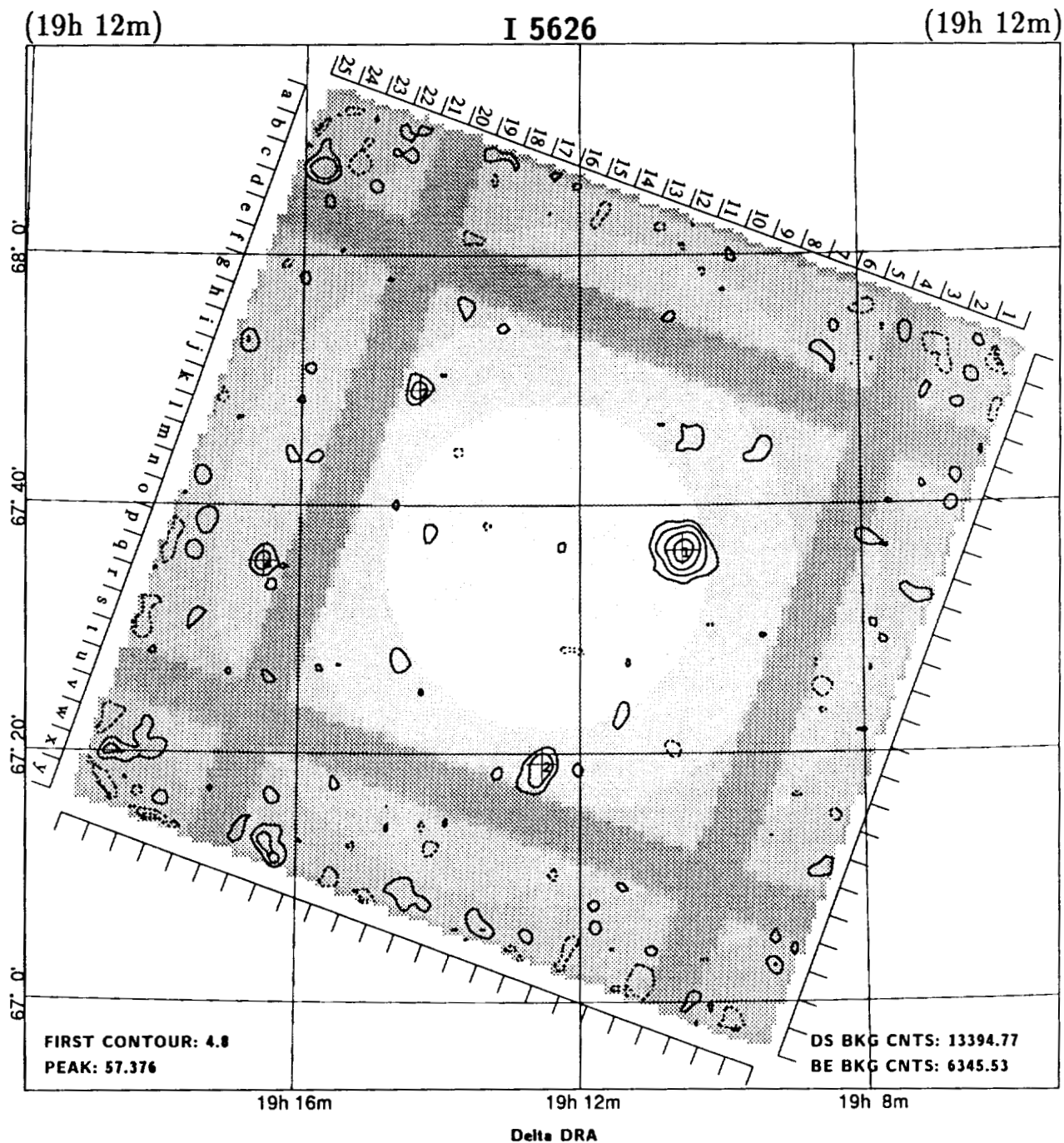
LIVETIME: 5923.9s

REF/ID:

ROLL ANGLE: 103.2°

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4211	1	19 12 21.3	10 38 19	50	*0.0141	0.0023	48.6	16.4	6.0	0.9	602	15.1	H	S
4214	2	19 12 33.8	10 31 15	50	*0.0150	0.0025	45.4	10.6	6.1	1.0	906	19.2		•

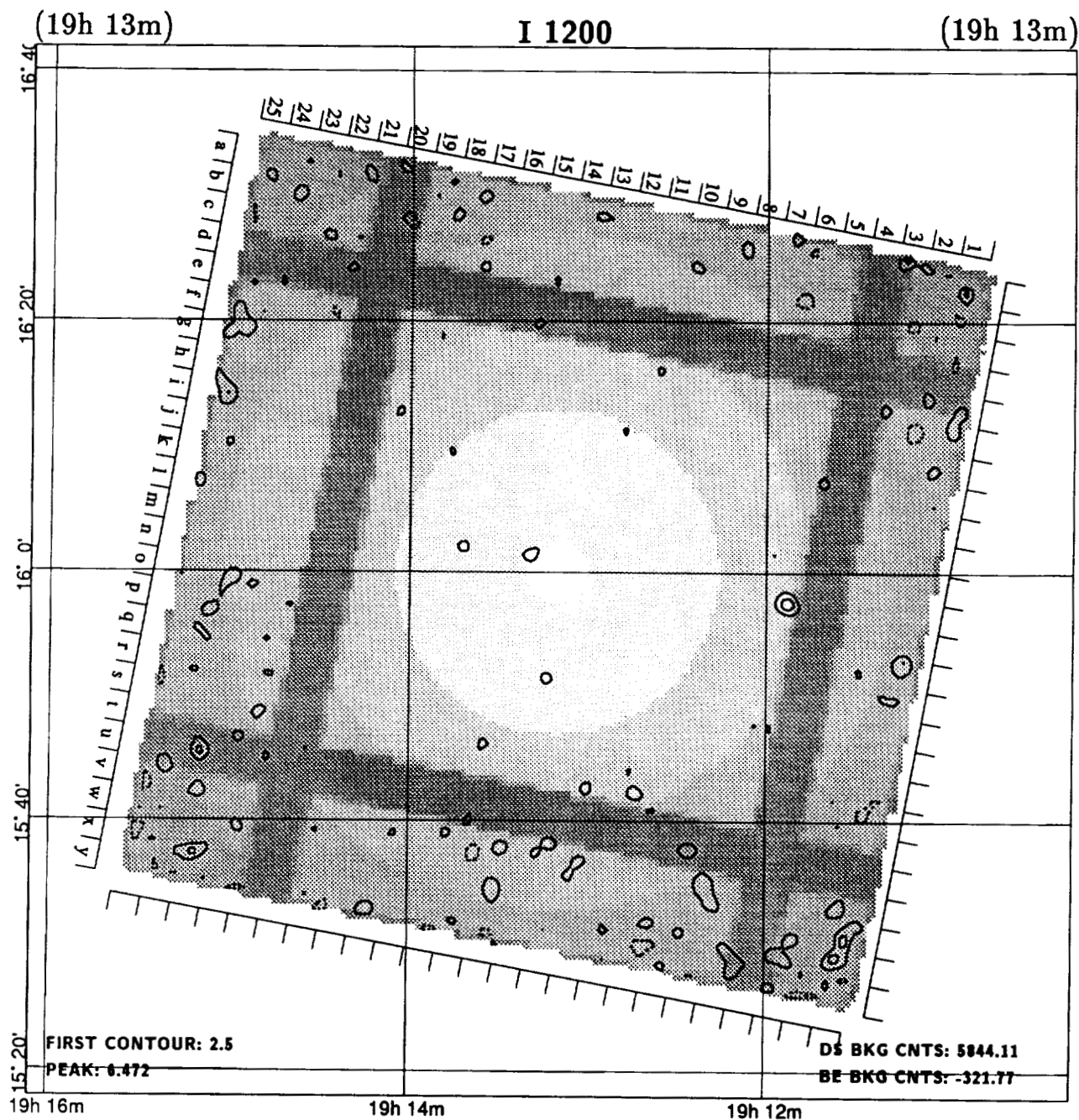


FIELD CENTER: $19^h 12^m 32.8^s$ $67^\circ 34' 59''$ (B1950)
 $19^h 12^m 32.4^s$ $67^\circ 40' 11''$ (J2000)
 $l: 98.66$ $b: 23.00$

DATE: 1979/303 - 1979/303
 LIVETIME: 10854.1s
 ROLL ANGLE: 110.2°

NH: $6.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4209	1	19 10 32.7	67 36 22	38	0.0274	0.0022	194.4	39.6	12.7	1.4	0	11.4	H	•
4212	2	19 12 32.3	67 19 11	50	0.0084	0.0016	53.0	42.0	5.4	1.1	0	15.9	H	
4215	3	19 14 18.1	67 49 10	52	0.0050	0.0014	29.6	35.4	3.7	0.6	400	17.4	H	
4224	4	19 16 30.9	67 35 29	55	0.0062	0.0016	30.9	32.1	3.9	0.8	100	22.8		

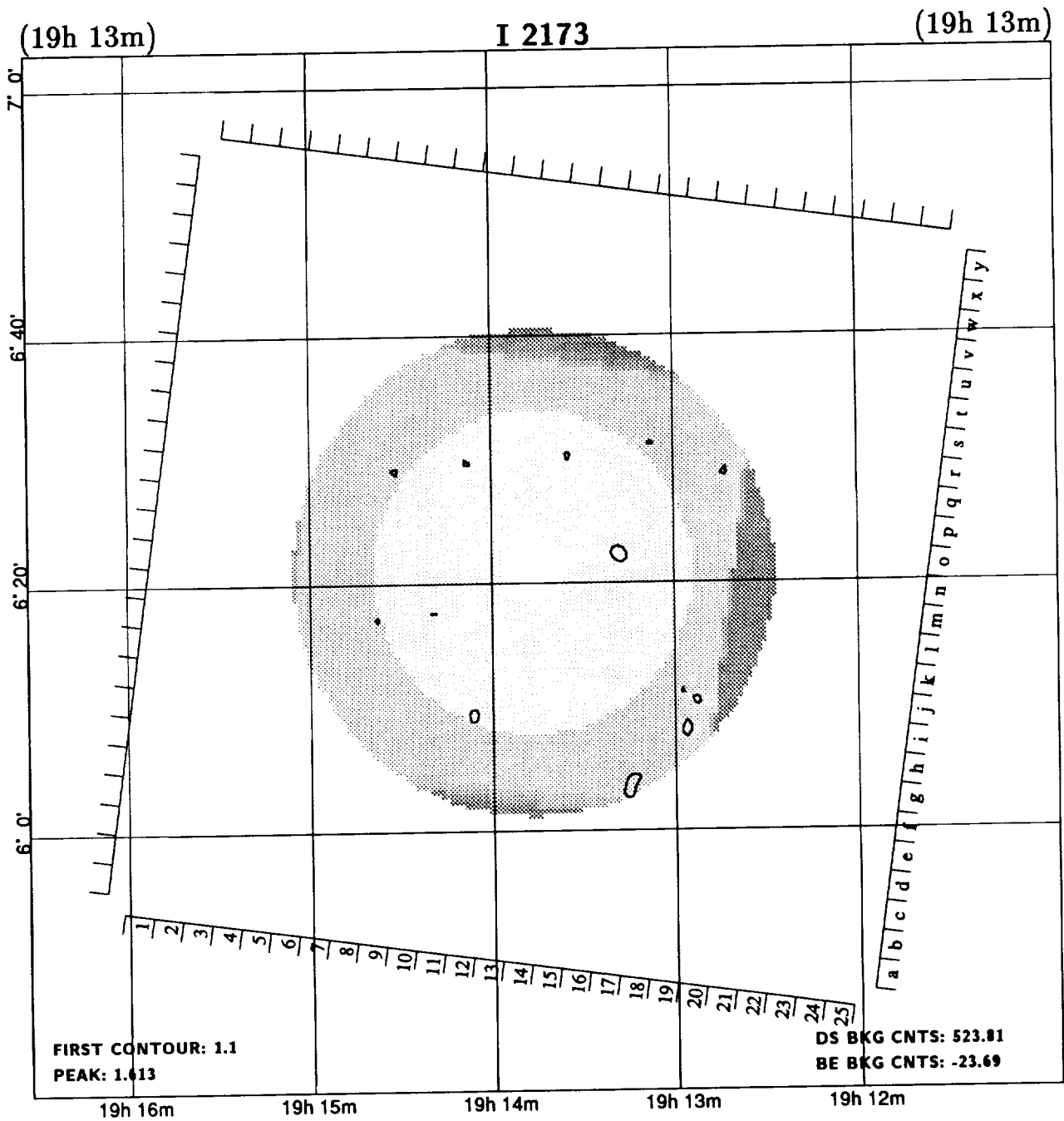


BINARY PULSAR GALACTIC PLANE SURVEY

FIELD CENTER: $19^h 13^m 11.8^s$ $15^\circ 59' 59''$ (B1950)
 $19^h 15^m 27.4^s$ $16^\circ 05' 19''$ (J2000)
 $l: 49.95$ $b: 2.12$

DATE: 1979/291 - 1979/292
 LIVETIME: 4735.6s
 ROLL ANGLE: 100.5°

NH: $8.7E+21$
 REF/ID:
 FIELD FLAGS:



X-RAY STUDY OF SUPERNOVA REMNANTS:

FIELD CENTER: $19^{\text{h}}13^{\text{m}}43.7^{\text{s}}$ $06^{\circ}20'59''$ (B1950)
 $19^{\text{h}}16^{\text{m}}10.4^{\text{s}}$ $06^{\circ}26'21''$ (J2000)
 $l: 41.49$ $b: -2.53$

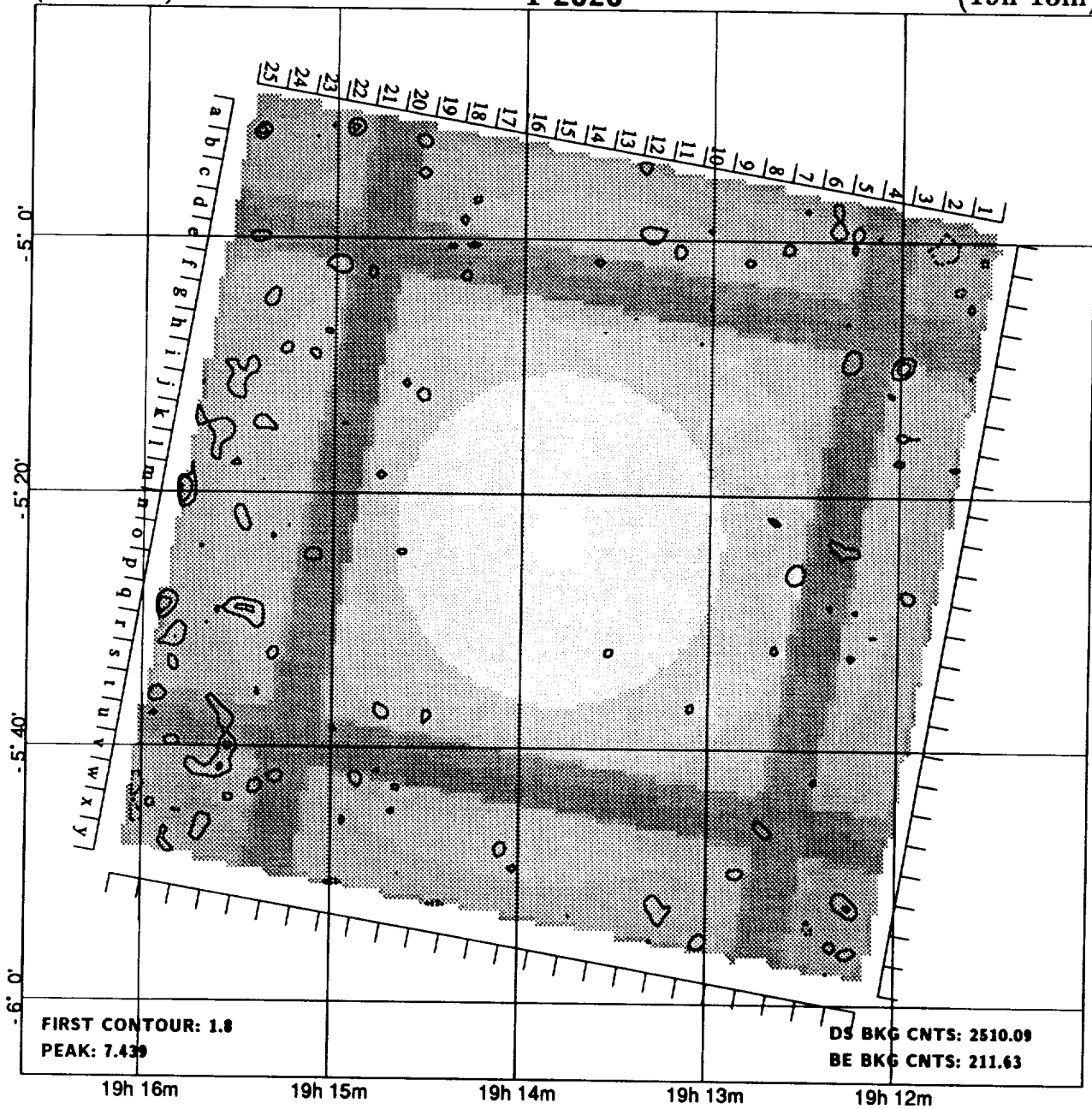
DATE: 1979/ 87 - 1979/ 87
LIVETIME: 424.5s
ROLL ANGLE: -82.2°

NH: $7.7\text{E}+21$
REF/ID:
FIELD FLAGS:

(19h 13m)

I 2828

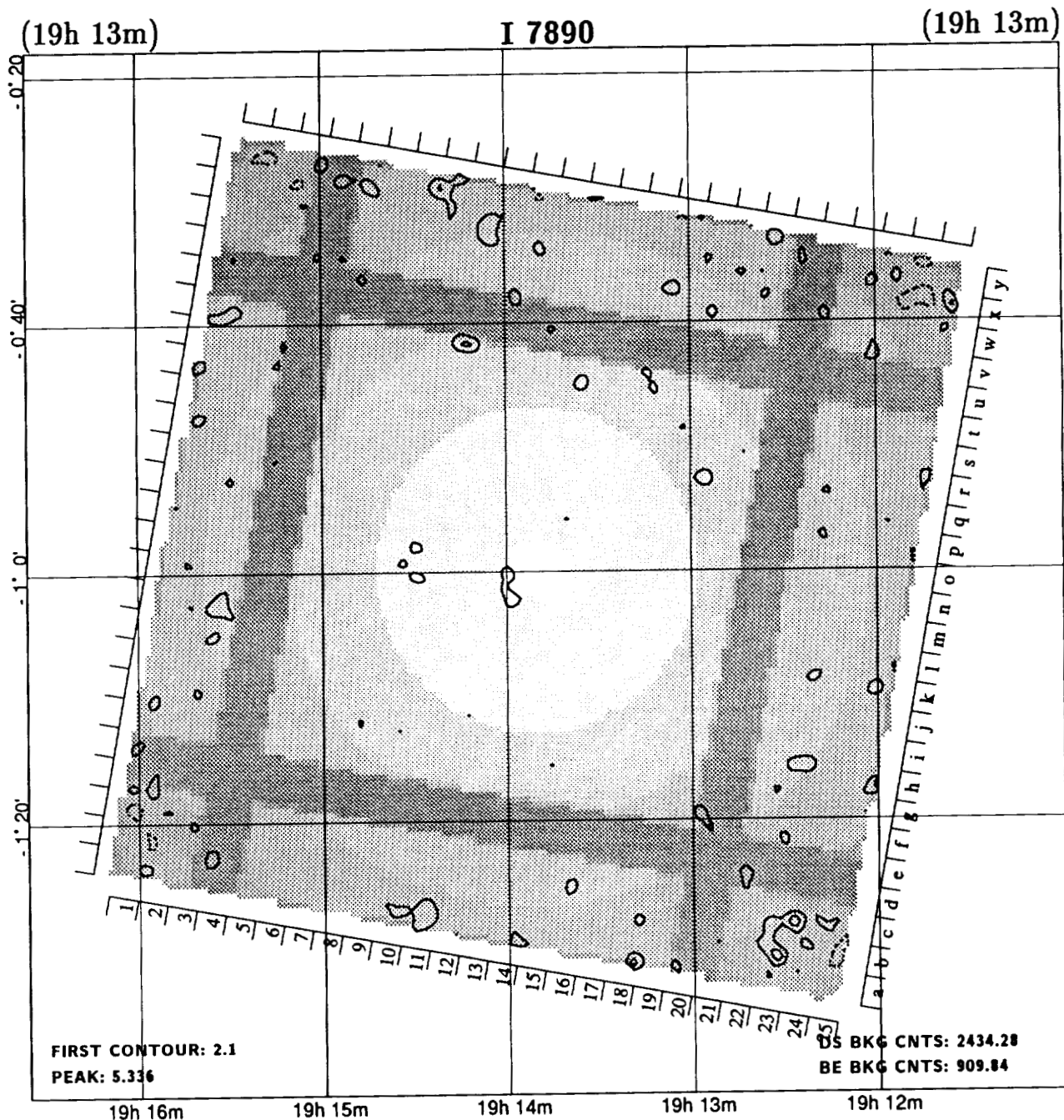
(19h 13m)



FIELD CENTER: $19^{\text{h}}13^{\text{m}}47.8^{\text{s}} -05^{\circ}23'59''$ (B1950)
 $19^{\text{h}}16^{\text{m}}27.5^{\text{s}} -05^{\circ}18'37''$ (J2000)
 $l: 31.03 \quad b: -7.98$

DATE: 1979/294 - 1979/294
 LIVETIME: 2034.0s
 ROLL ANGLE: 99.9°

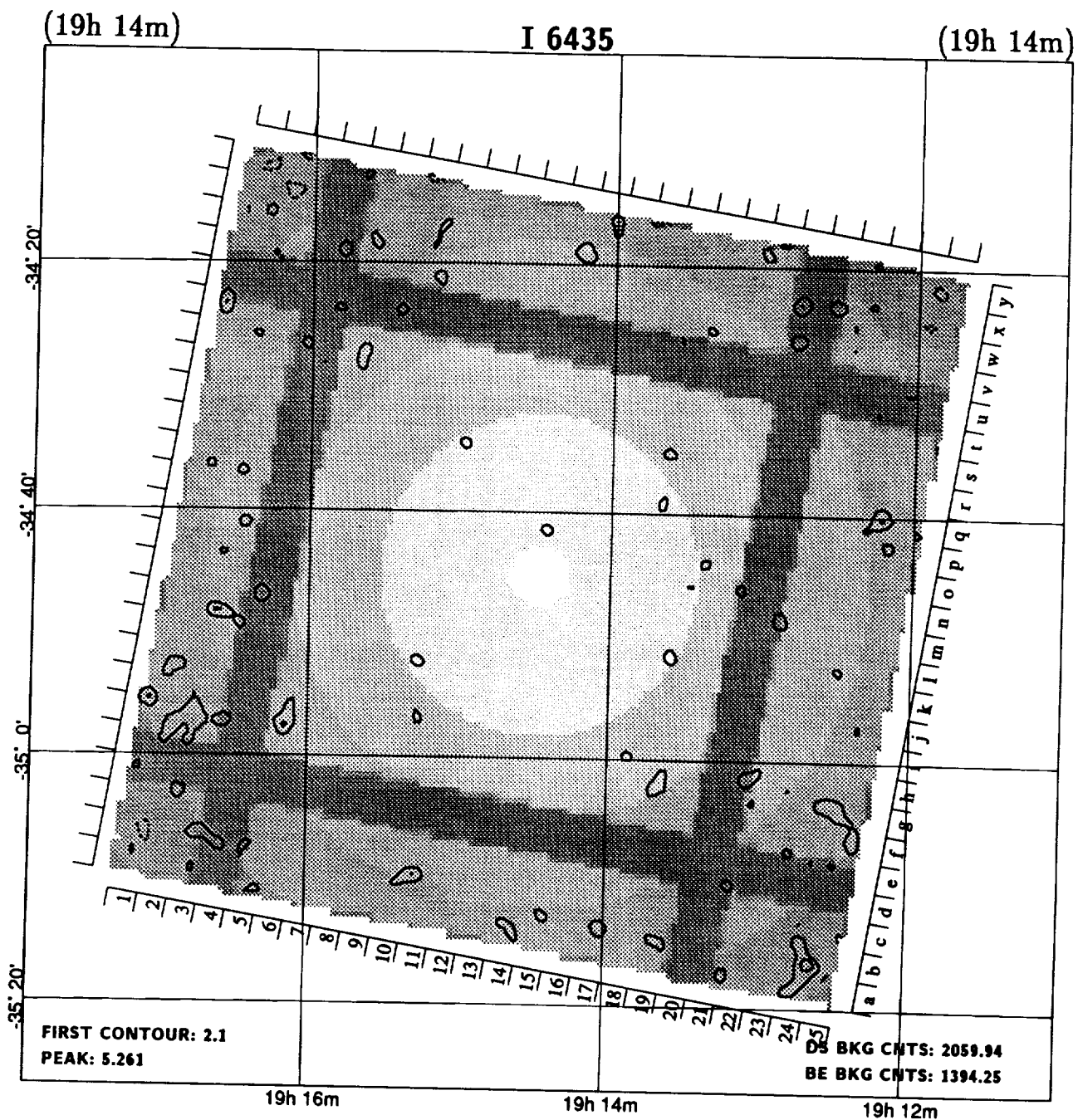
NH: $2.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $19^h 13^m 47.8^s$ $-00^\circ 59' 59''$ (B1950)
 $19^h 16^m 22.7^s$ $-00^\circ 54' 37''$ (J2000)
 $l: 34.97$ $b: -5.96$

DATE: 1980/108 - 1980/108
 LIVETIME: 2043.4s
 ROLL ANGLE: -79.7°

NH: $2.5E+21$
 REF/ID:
 FIELD FLAGS:



TERZAN 7, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $19^h 14^m 24.8^s$ $-34^\circ 44' 52''$ (B1950)
 $19^h 17^m 42.3^s$ $-34^\circ 39' 26''$ (J2000)
 $l: 3.39$ $b: -20.06$

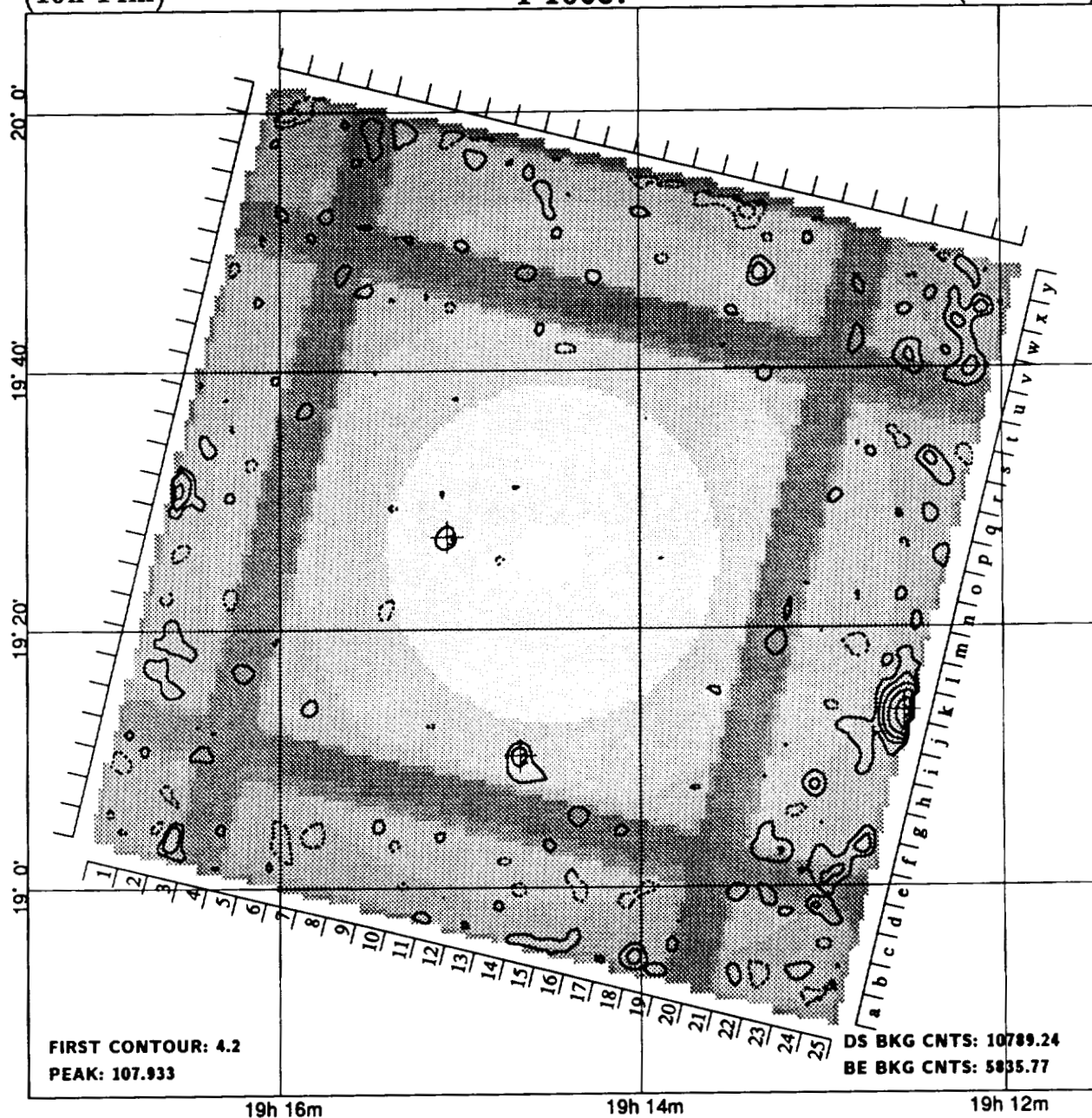
DATE: 1980/ 85 - 1980/ 85
 LIVETIME: 1729.2s
 ROLL ANGLE: -80.3°

NH: $6.1E+20$
 REF/ID:
 FIELD FLAGS: L

(19h 14m)

I 10687

(19h 14m)



FIELD CENTER: 19^h14^m25.9^s 19°25'59" (B1950)
19^h16^m37.3^s 19°31'24" (J2000)
ℓ: 53.13 b: 3.46

DATE: 1981/100 - 1981/100
LIVETIME: 8742.8s
ROLL ANGLE: -76.2°

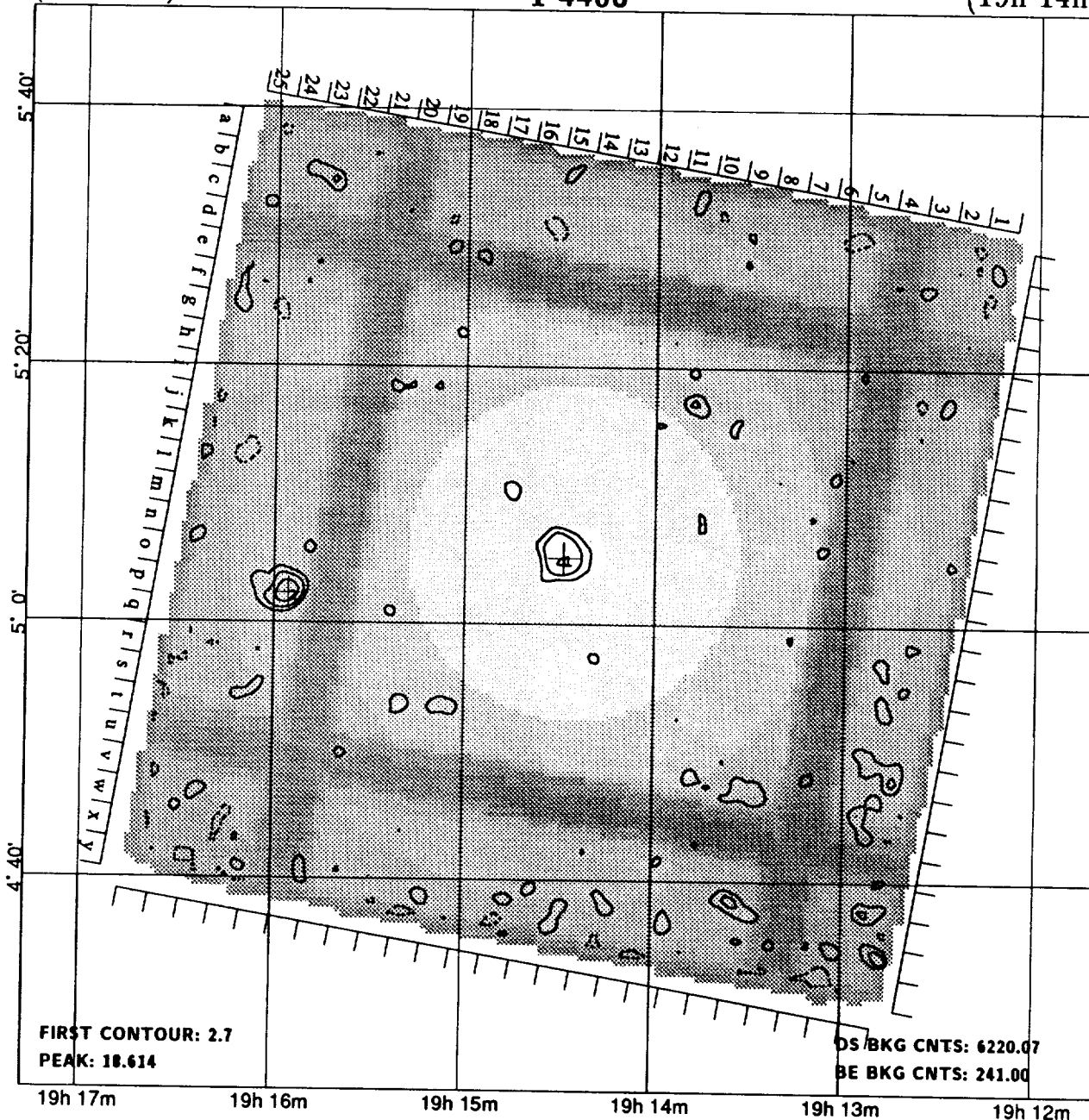
NH: 6.4E+21
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4213	1L	19 12 32.6	19 13 35	47	*0.0643	0.0074	212.9	63.1	8.7	1.4	804	29.6	EI	S
4217	2L	19 14 40.1	19 10 14	51	0.0083	0.0020	42.1	28.9	4.0	0.9	0	15.9		
4219	3L	19 15 04.3	19 27 06	42	0.0082	0.0017	48.8	26.2	4.6	0.5	0	9.2		

(19h 14m)

I 4408

(19h 14m)



STELLAR SURVEY: HD 18067

FIELD CENTER: $19^{\text{h}}14^{\text{m}}28.8^{\text{s}}$ $05^{\circ}05'41''$ (B1950)
 $19^{\text{h}}16^{\text{m}}56.9^{\text{s}}$ $05^{\circ}11'07''$ (J2000)
 $l: 40.46$ $b: -3.28$

DATE: 1979/291 - 1979/291

NH: $5.5\text{E}+21$

LIVETIME: 5040.3s

REF/ID:

ROLL ANGLE: 99.9°

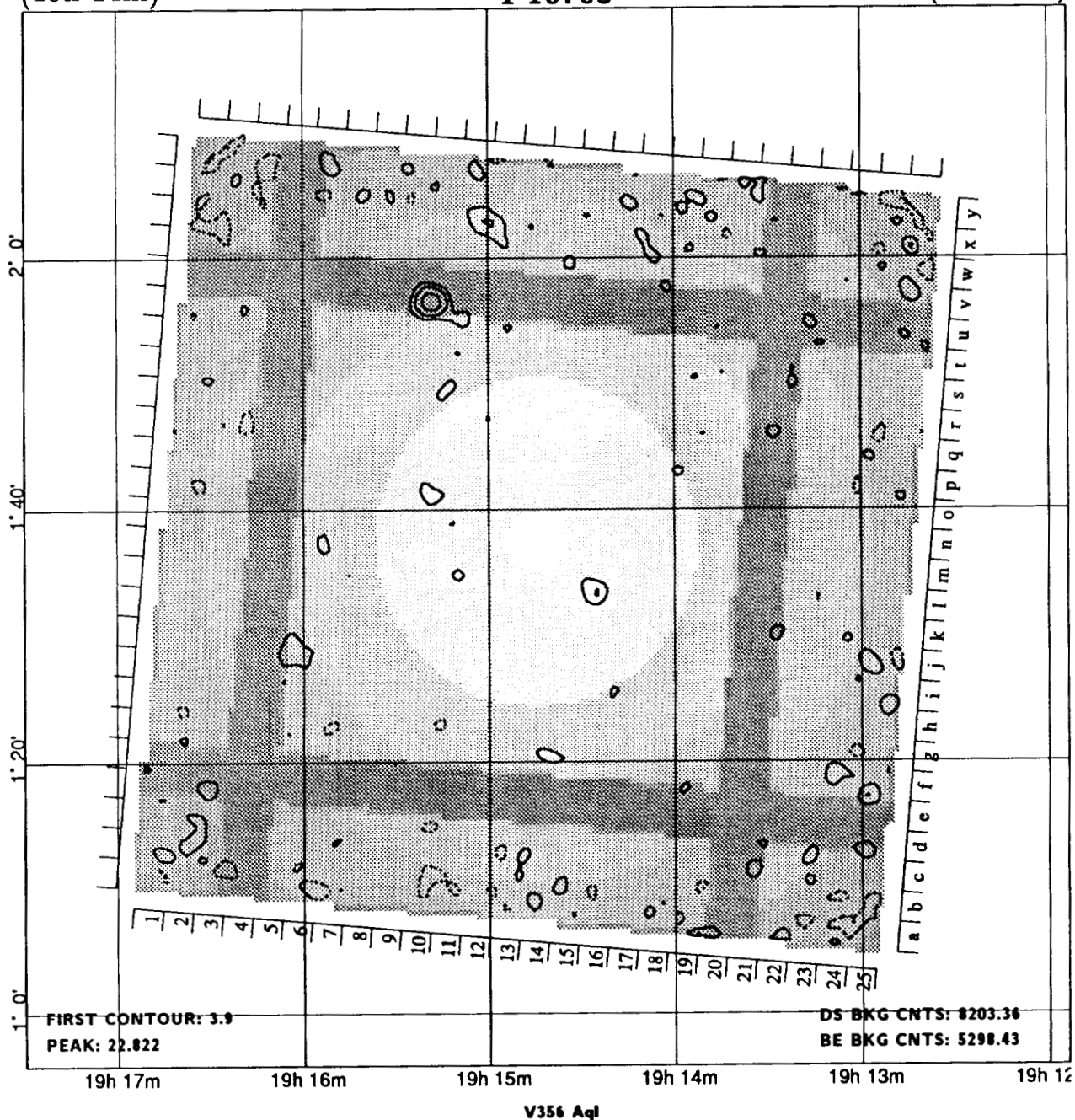
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4216	1	19 14 28.8	05 05 07	35	0.0171	0.0024	64.1	16.9	7.1	1.3	0	0.7	H S
4221	2	19 15 55.5	05 02 17	50	0.0184	0.0031	43.5	9.5	6.0	1.0	400	22.0	H S

(19h 14m)

I 10705

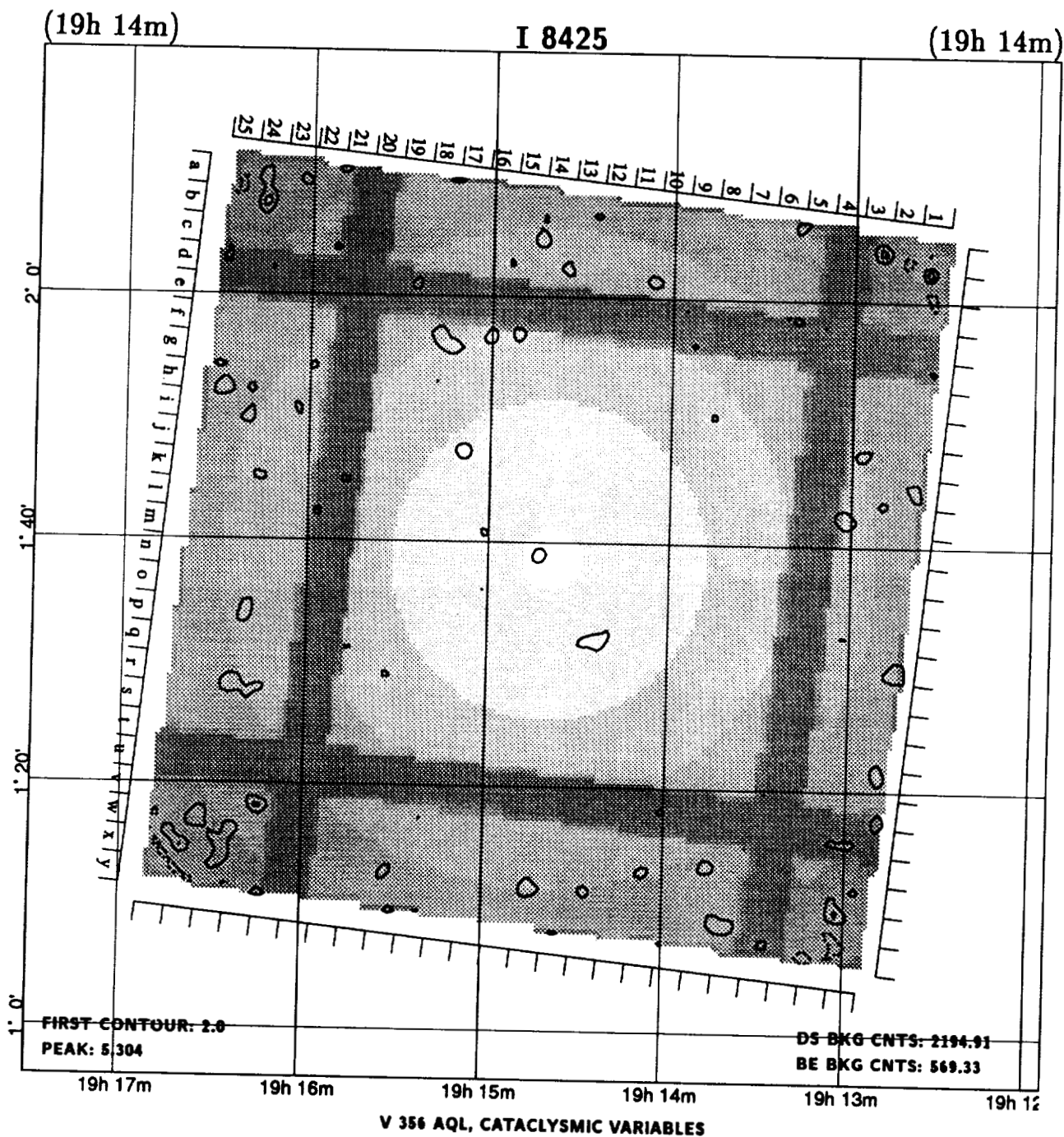
(19h 14m)



FIELD CENTER: $19^h 14^m 41.8^s$ $01^\circ 37' 47''$ (B1950)
 $19^h 17^m 13.7^s$ $01^\circ 43' 14''$ (J2000)
 $l: 37.42$ $b: -4.95$

DATE: 1981/ 92 - 1981/ 93
 LIVETIME: 6647.4s
 ROLL ANGLE: -85.1°

NH: $3.4E+21$
 REF/ID:
 FIELD FLAGS: L



FIELD CENTER: $19^h 14^m 41.8^s$ $01^\circ 37' 58''$ (B1950)
 $19^h 17^m 13.7^s$ $01^\circ 43' 25''$ (J2000)
 $l: 37.42$ $b: -4.94$

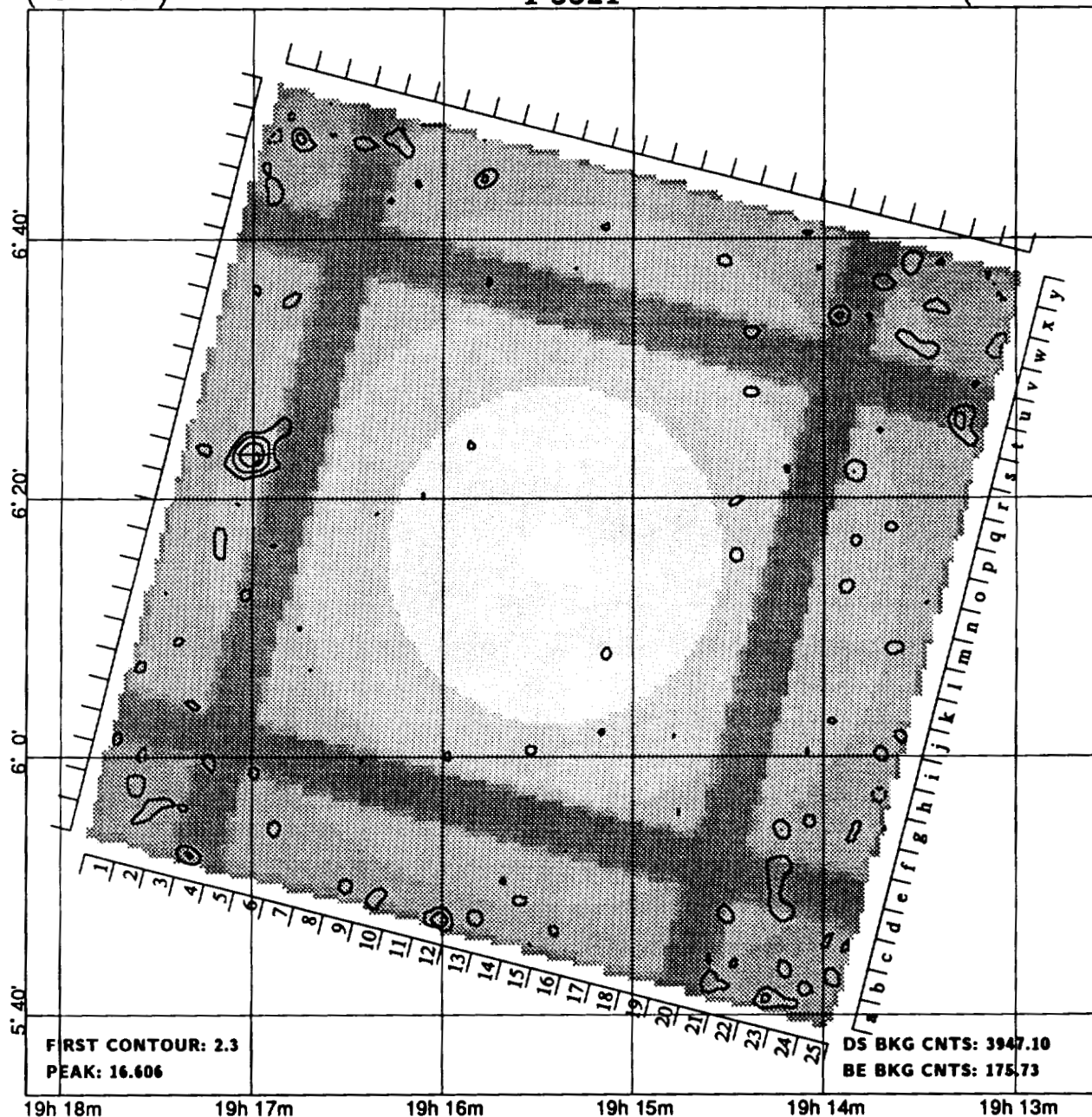
DATE: 1980/282 - 1980/283
 LIVETIME: 1778.6s
 ROLL ANGLE: 96.1°

NH: $3.4E+21$
 REF/ID:
 FIELD FLAGS:

(19h 15m)

I 5321

(19h 15m)



SEARCH FOR YOUNG GALACTIC SNR

FIELD CENTER: $19^{\text{h}}15^{\text{m}}21.9^{\text{s}}$ $06^{\circ}15'46''$ (B1950)
 $19^{\text{h}}17^{\text{m}}48.7^{\text{s}}$ $06^{\circ}21'15''$ (J2000)
 $l: 41.60$ $b: -2.93$

DATE: 1980/114 - 1980/114

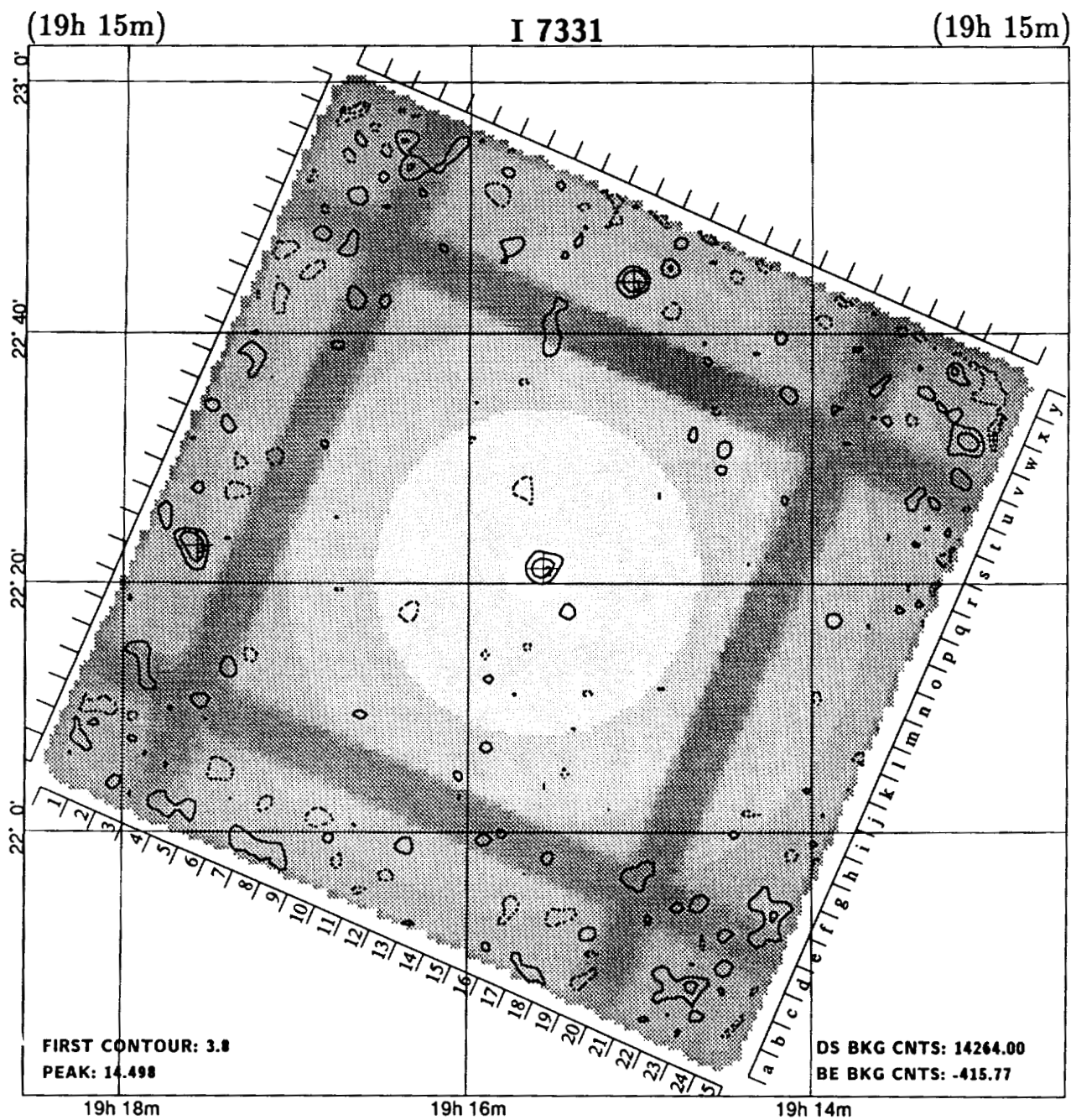
LIVETIME: 3313.3s

ROLL ANGLE: -75.7° NH: $6.5\text{E}+21$

REF/ID:

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4228	1	19 16 59.7	06 23 25	50	0.0244	0.0045	34.9	7.1	5.4	1.1	500	25.6	H	S



RS VUL, ALGOL-LIKE SYSTEM

FIELD CENTER: $19^{\text{h}}15^{\text{m}}32.5^{\text{s}}$ $22^{\circ}20'57''$ (B1950)
 $19^{\text{h}}17^{\text{m}}40.3^{\text{s}}$ $22^{\circ}26'26''$ (J2000)
 $l: 55.83$ $b: 4.59$

DATE: 1980/122 - 1980/126
 LIVETIME: 11973.6s
 ROLL ANGLE: -66.6°

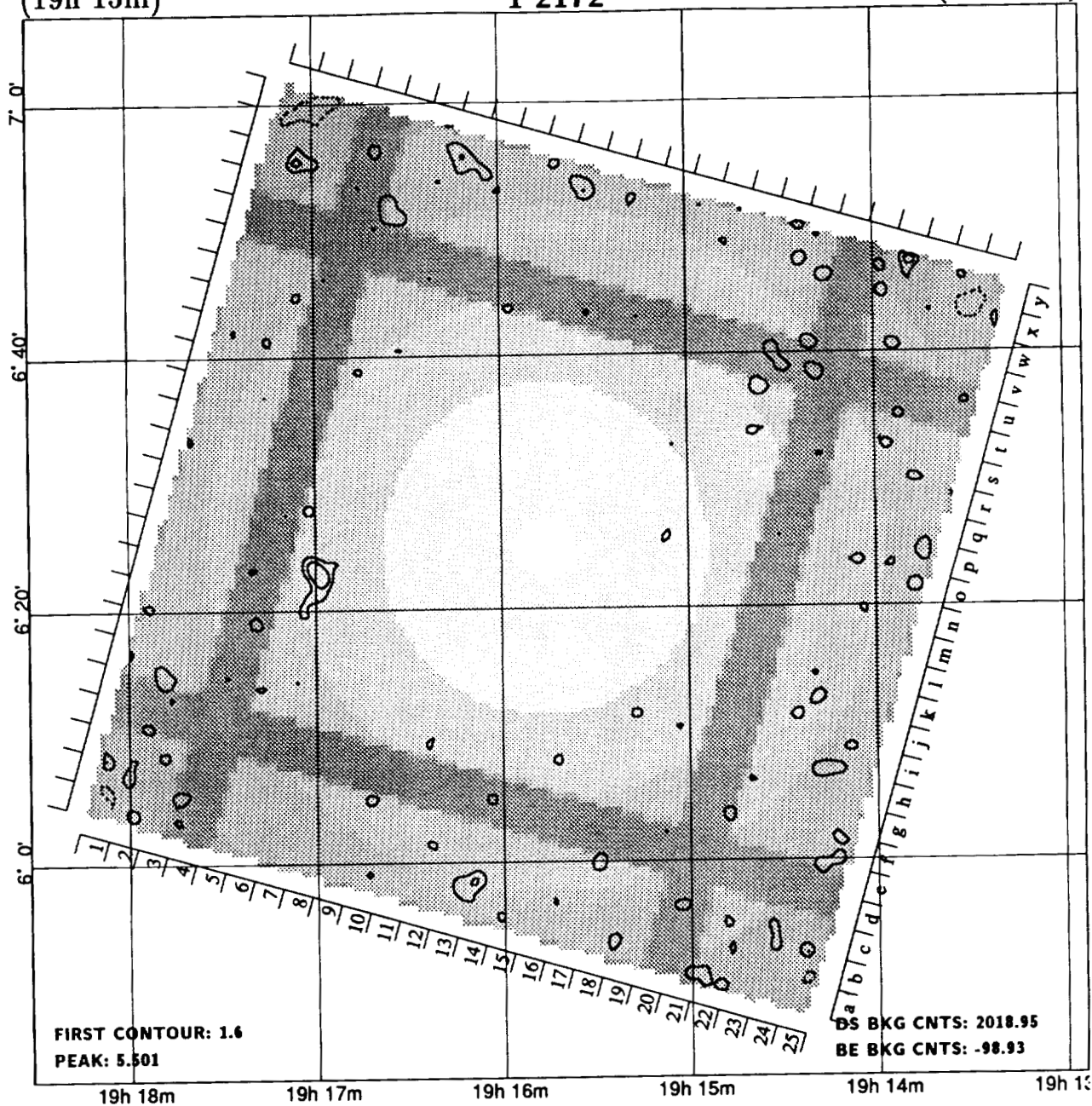
NH: $4.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4218	1	19 15 02.6	22 44 04	52	0.0063	0.0014	32.9	21.1	4.5	0.7	0	24.0		
4220	2	19 15 33.9	22 21 11	35	0.0053	0.0010	47.6	32.4	5.3	0.8	0	0.7	H	S
4229	3	19 17 34.5	22 22 56	55	0.0061	0.0015	28.2	22.8	3.9	0.9	0	28.2	H	

(19h 15m)

I 2172

(19h 15m)

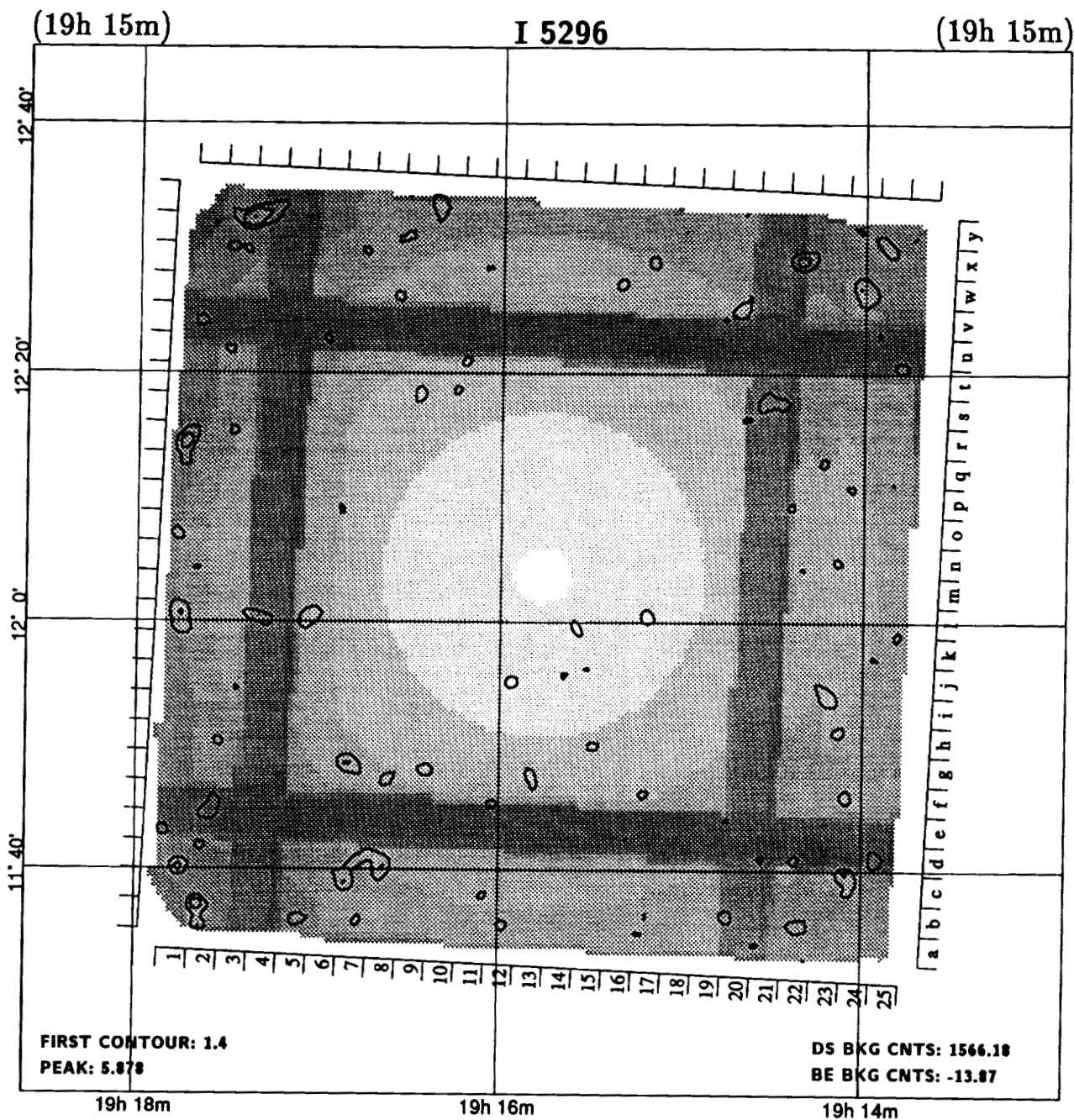


X-RAY STUDY OF SUPERNOVA REMNANTS:

FIELD CENTER: $19^h 15^m 42.8^s$ $06^\circ 25' 01''$ (B1950)
 $19^h 18^m 09.5^s$ $06^\circ 30' 31''$ (J2000)
 $l: 41.78$ $b: -2.93$

DATE: 1979/117 - 1979/117
 LIVETIME: 1636.0s
 ROLL ANGLE: -74.1°

NH: $6.0E+21$
 REF/ID:
 FIELD FLAGS:

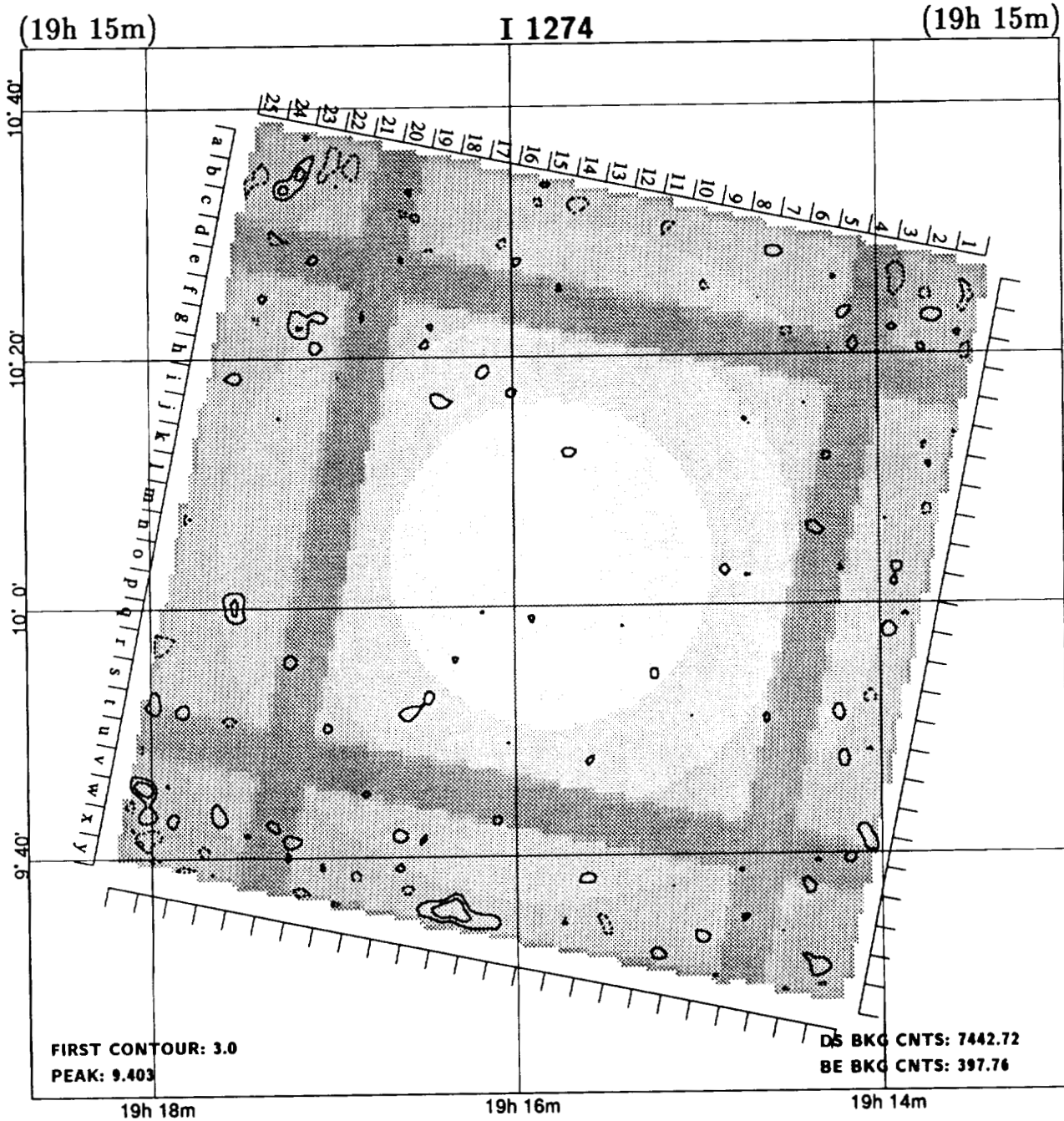


SNR D 92:SEARCH FOR X-RAYS FROM NON-THERMAL RADIO SOURCES

FIELD CENTER: $19^{\text{h}}15^{\text{m}}44.8^{\text{s}}$ $12^{\circ}04'05''$ (B1950)
 $19^{\text{h}}18^{\text{m}}05.0^{\text{s}}$ $12^{\circ}09'36''$ (J2000)
 $l: 46.77$ $b: -0.28$

DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 1314.7s
 ROLL ANGLE: -87.5°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

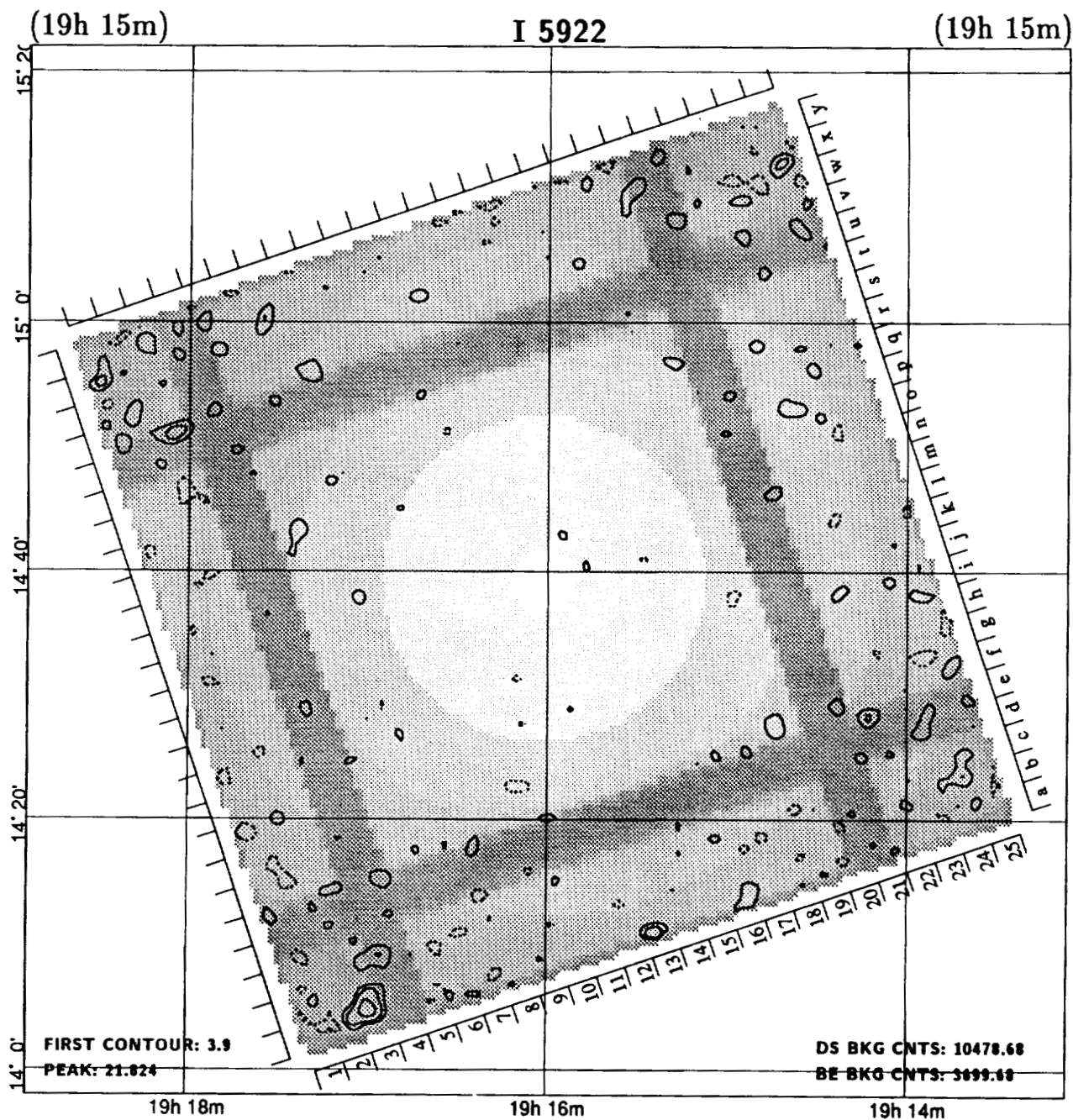


45 DEGREES GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}15^{\text{m}}50.0^{\text{s}}$ $10^{\circ}02'58''$ (B1950)
 $19^{\text{h}}18^{\text{m}}12.6^{\text{s}}$ $10^{\circ}08'29''$ (J2000)
 $l: 45.00$ $b: -1.25$

DATE: 1979/294 - 1979/294
 LIVETIME: 6031.0s
 ROLL ANGLE: 101.6°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $19^{\text{h}}15^{\text{m}}59.8^{\text{s}}$ $14^{\circ}39'59''$ (B1950)
 $19^{\text{h}}18^{\text{m}}17.0^{\text{s}}$ $14^{\circ}45'30''$ (J2000)
 ℓ : 49.09 b : 0.89

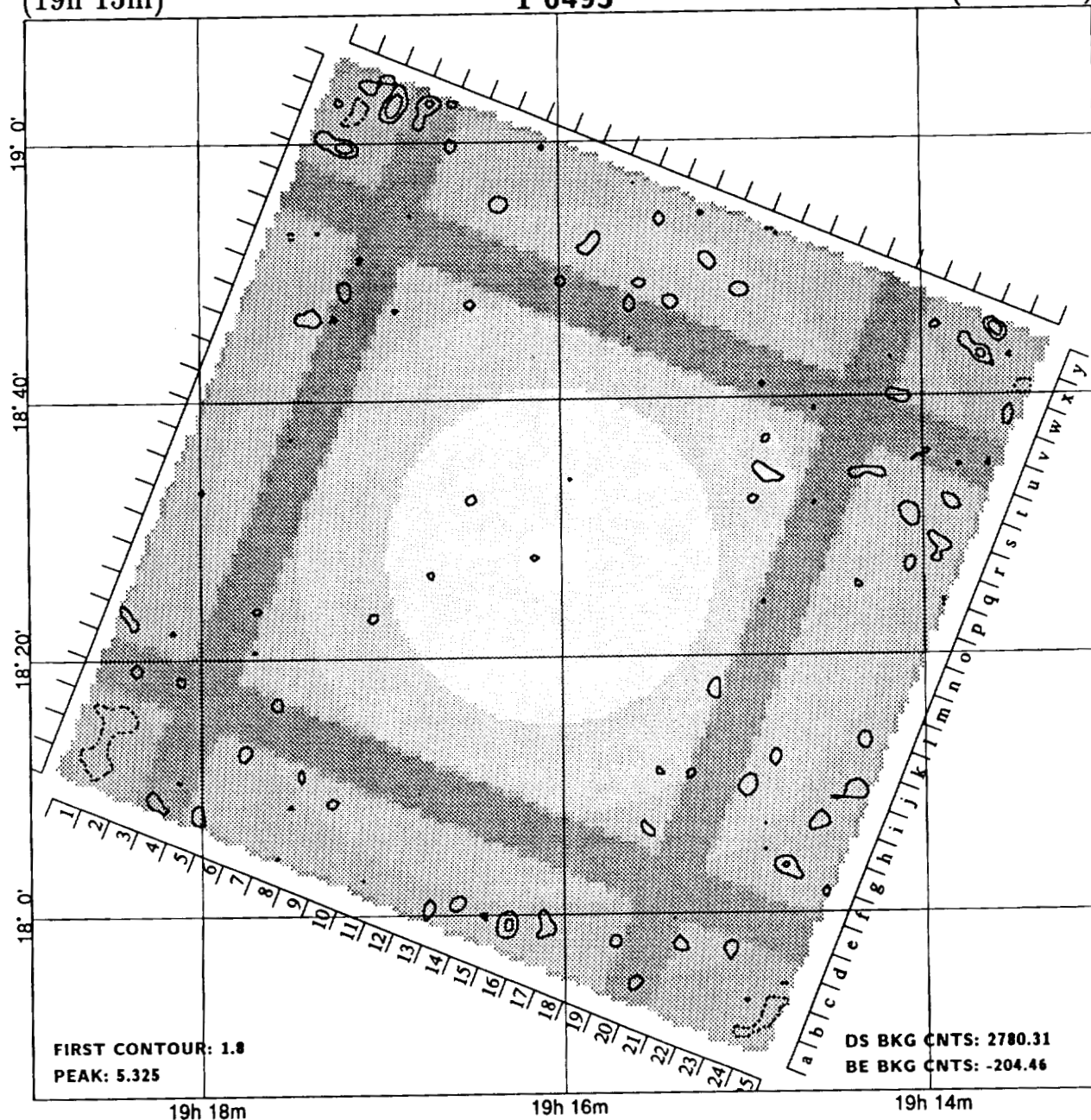
DATE: 1981/112 - 1981/112
LIVETIME: 8491.2s
ROLL ANGLE: -108.7°

NH: 1.3E+22
REF/ID:
FIELD FLAGS: L

(19h 15m)

I 6493

(19h 15m)

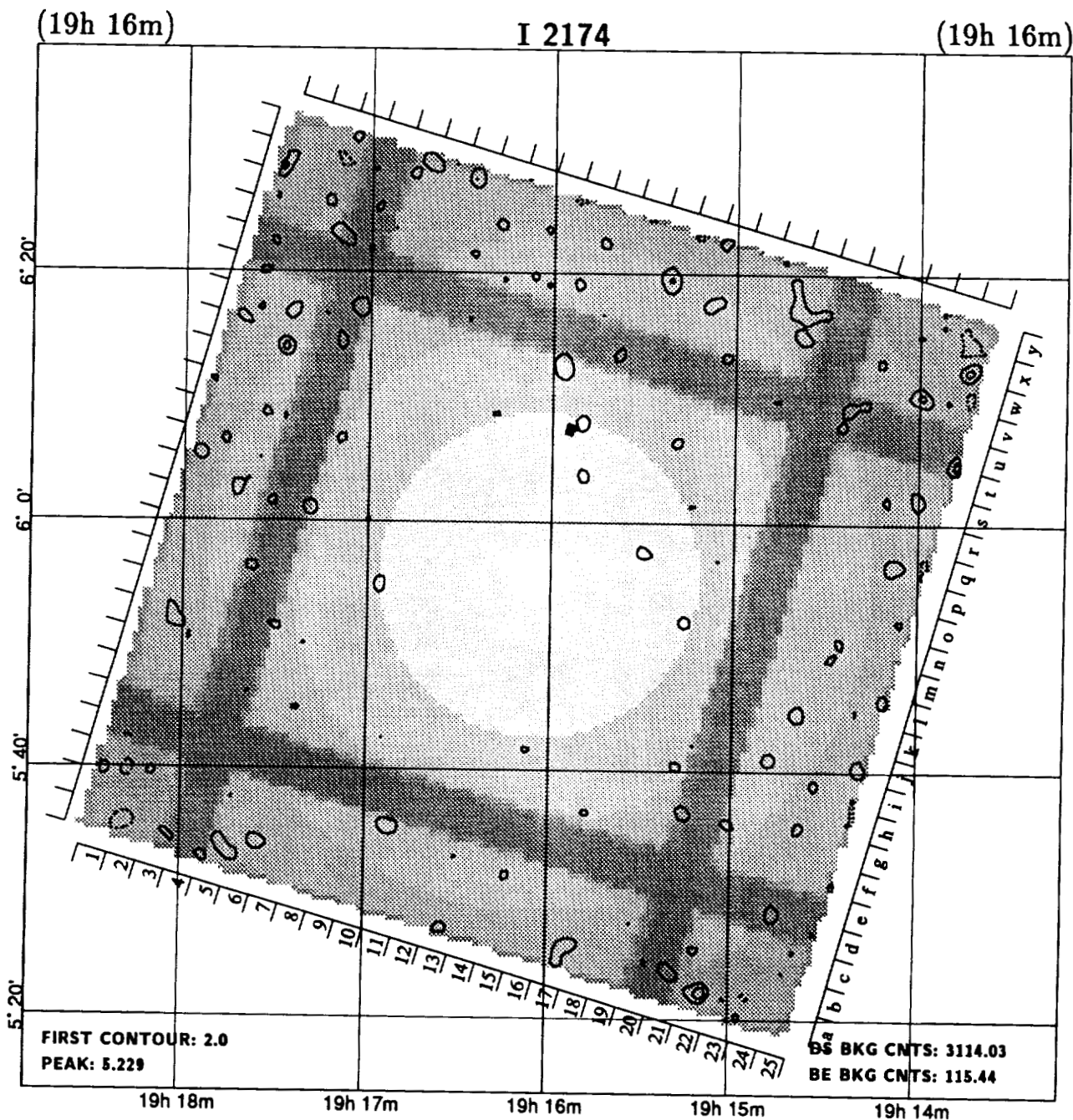


PAL 10, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $19^{\text{h}}15^{\text{m}}59.8^{\text{s}}$ $18^{\circ}27'59''$ (B1950)
 $19^{\text{h}}18^{\text{m}}12.4^{\text{s}}$ $18^{\circ}33'30''$ (J2000)
 $l: 52.44$ $b: 2.68$

DATE: 1980/124 - 1980/124
 LIVETIME: 2333.9s
 ROLL ANGLE: -67.8°

NH: $8.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:



X-RAY STUDY OF SUPERNOVA REMNANTS:

FIELD CENTER: $19^h 16^m 00.8^s$ $05^\circ 55' 58''$ (B1950)
 $19^h 18^m 28.0^s$ $06^\circ 01' 30''$ (J2000)
 l : 41.39 b : -3.23

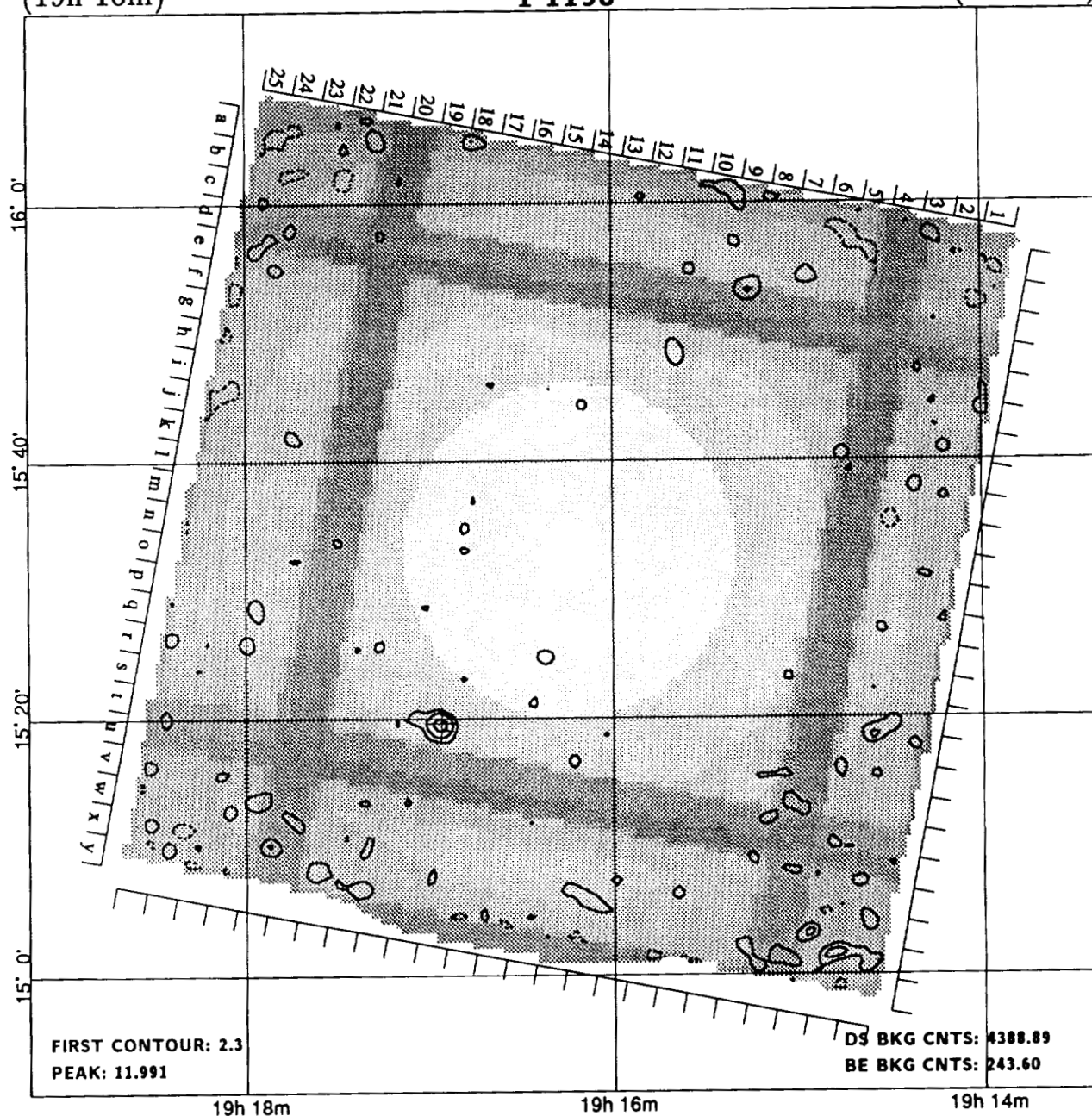
DATE: 1979/118 - 1979/118
 LIVETIME: 2523.4s
 ROLL ANGLE: -74.0°

NH: $6.4E+21$
 REF/ID:
 FIELD FLAGS:

(19h 16m)

I 1198

(19h 16m)



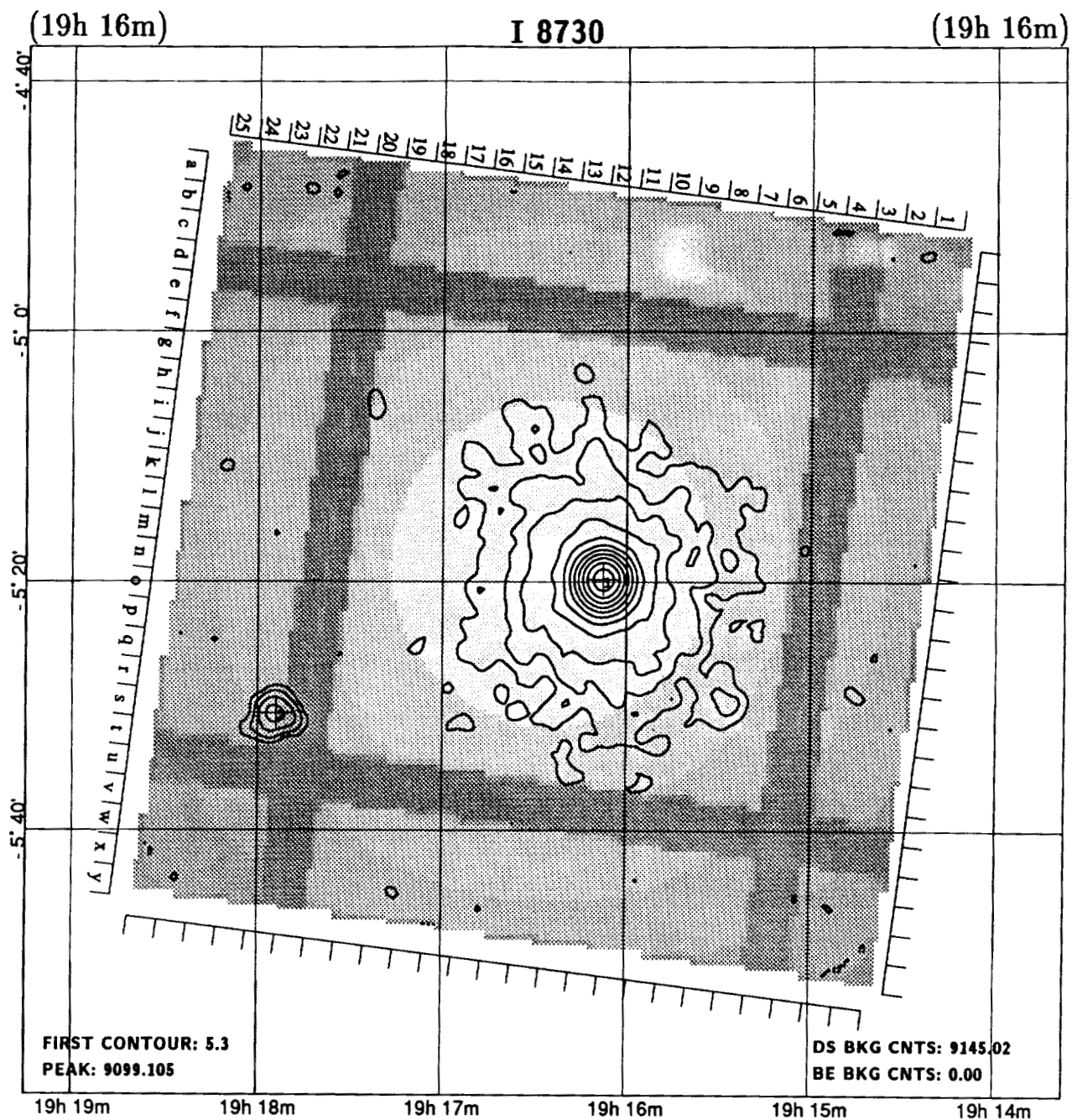
BINARY PULSAR GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}16^{\text{m}}16.4^{\text{s}}$ $15^{\circ}32'56''$ (B1950)
 $19^{\text{h}}18^{\text{m}}32.6^{\text{s}}$ $15^{\circ}38'29''$ (J2000)
 ℓ : 49.90 b : 1.25

DATE: 1979/292 - 1979/292
 LIVETIME: 3556.4s
 ROLL ANGLE: 100.8°

NH: 1.2E+22
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4227	1	19 16 56.2	15 19 37	51	0.0136	0.0030	27.2	8.8	4.5	0.9	200	16.2	H	*



FIELD CENTER: $19^h 16^m 26.2^s$ $-05^\circ 19' 11''$ (B1950)
 $19^h 19^m 05.8^s$ $-05^\circ 13' 38''$ (J2000)
 $l: 31.40$ $b: -8.53$

DATE: 1980/285 - 1980/285
 LIVETIME: 7410.5s
 ROLL ANGLE: 97.2°

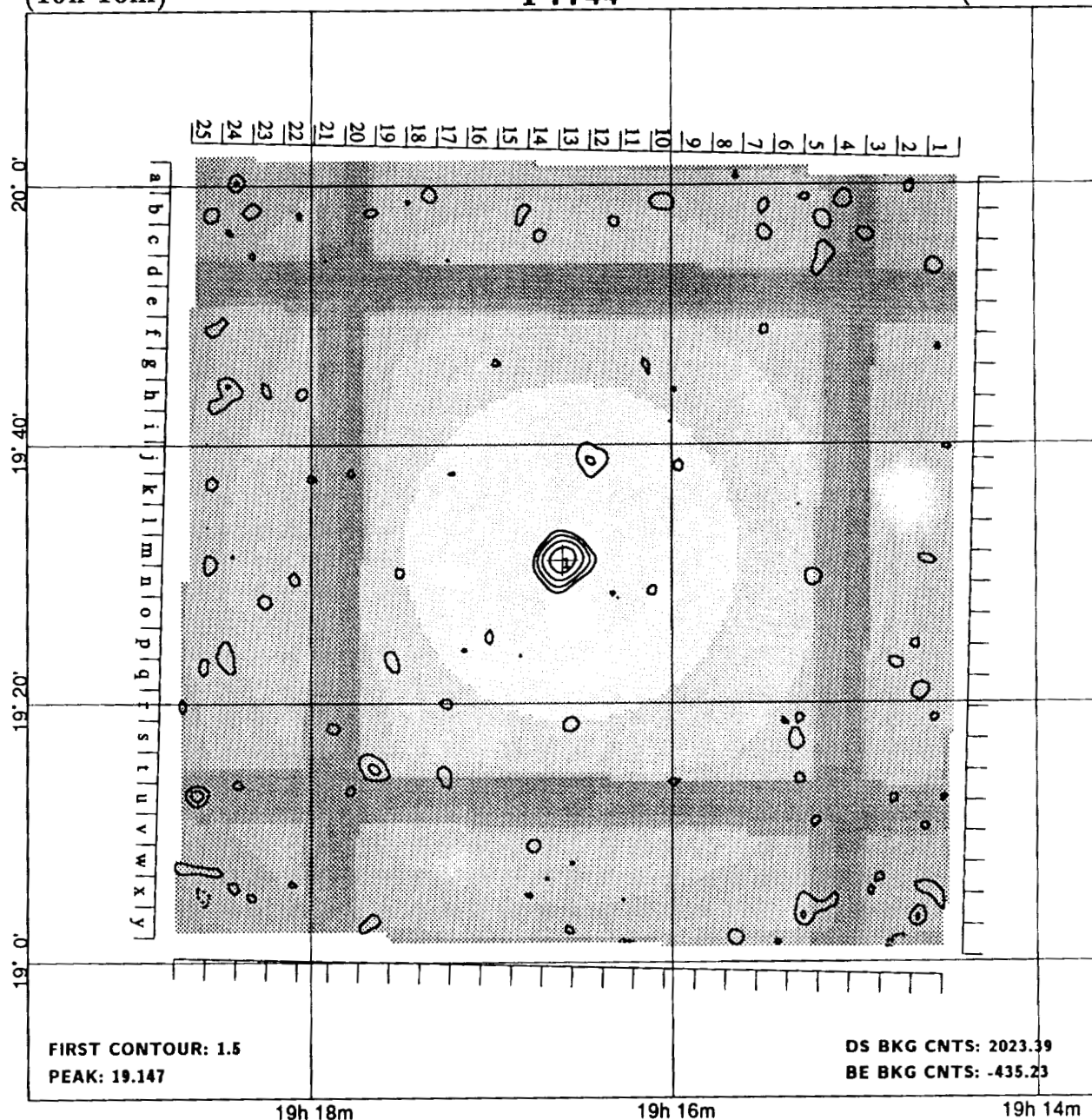
NH: $2.2E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4222	1L	19 16 07.5	-05 19 49	31	6.150	0.039	32870.2	1583.8	158.6	1.4	0	4.7	A	*
4230	2L	19 17 53.9	-05 30 38	48	*0.0382	0.0058	120.5	37.0	6.5	1.3	703	24.7	A	

(19h 16m)

I 7744

(19h 16m)



HD 181182, INTERACTING CLOSE BINARY SYSTEMS

FIELD CENTER: $19^{\text{h}}16^{\text{m}}35.8^{\text{s}}$ $19^{\circ}31'29''$ (B1950)
 $19^{\text{h}}18^{\text{m}}47.2^{\text{s}}$ $19^{\circ}37'03''$ (J2000)
 ℓ : 53.45 b : 3.05

DATE: 1980/278 - 1980/278
 LIVETIME: 1639.6s
 ROLL ANGLE: 91.3°

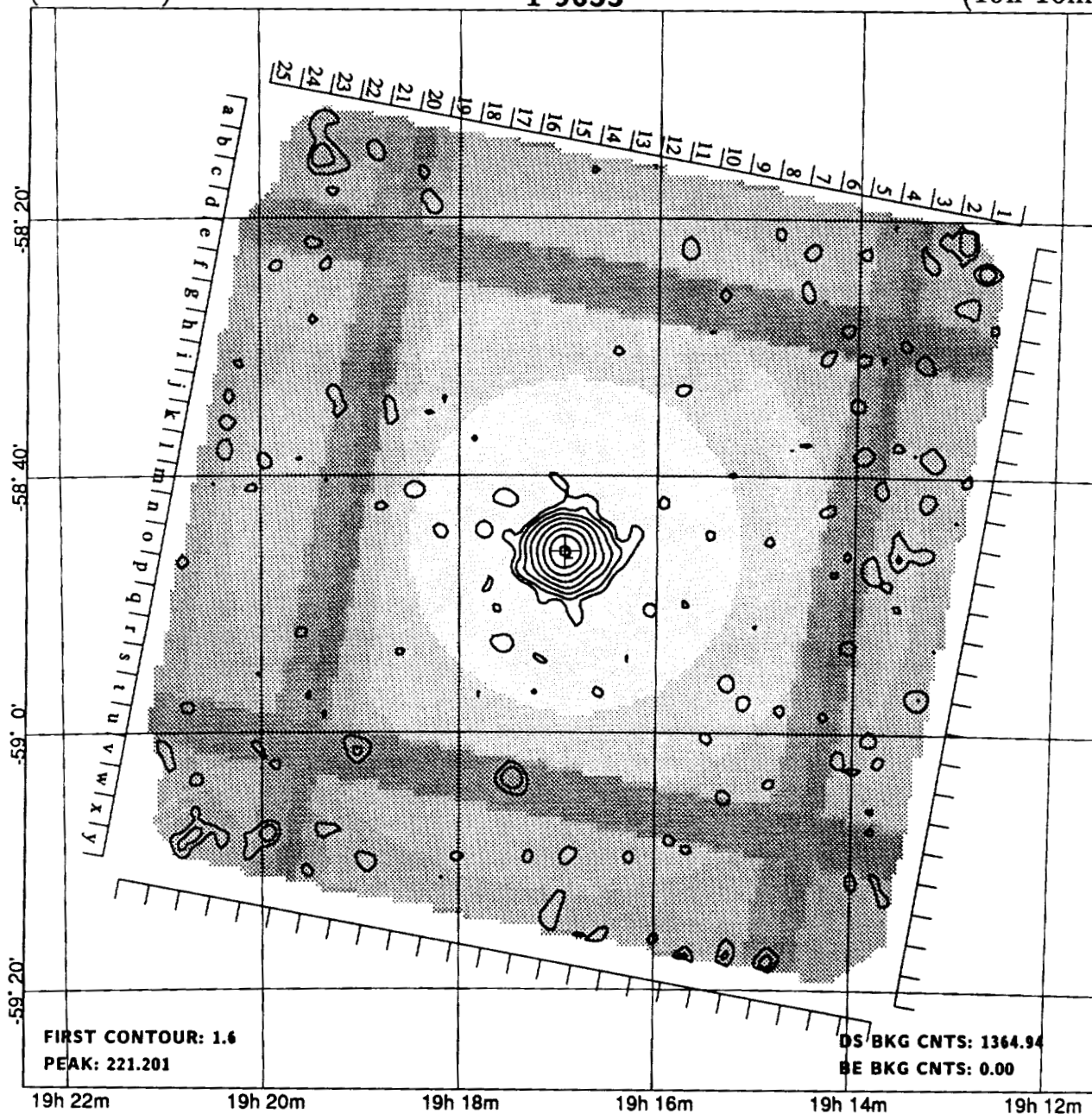
NH: $7.2\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4225	1	19 16 36.4	19 30 59	31	0.0740	0.0079	90.3	3.7	9.3	1.2	0	0.4	H	S

(19h 16m)

I 9653

(19h 16m)



ESO 141-G55, SEYFERT VARIABILITY STUDY

FIELD CENTER: $19^{\text{h}}16^{\text{m}}56.7^{\text{s}}$ $-58^{\circ}45'51''$ (B1950)
 $19^{\text{h}}21^{\text{m}}14.0^{\text{s}}$ $-58^{\circ}40'12''$ (J2000)
 ℓ : 338.18 b : -26.71

DATE: 1980/277 - 1980/277
 LIVETIME: 1106.0s
 ROLL ANGLE: 100.3°

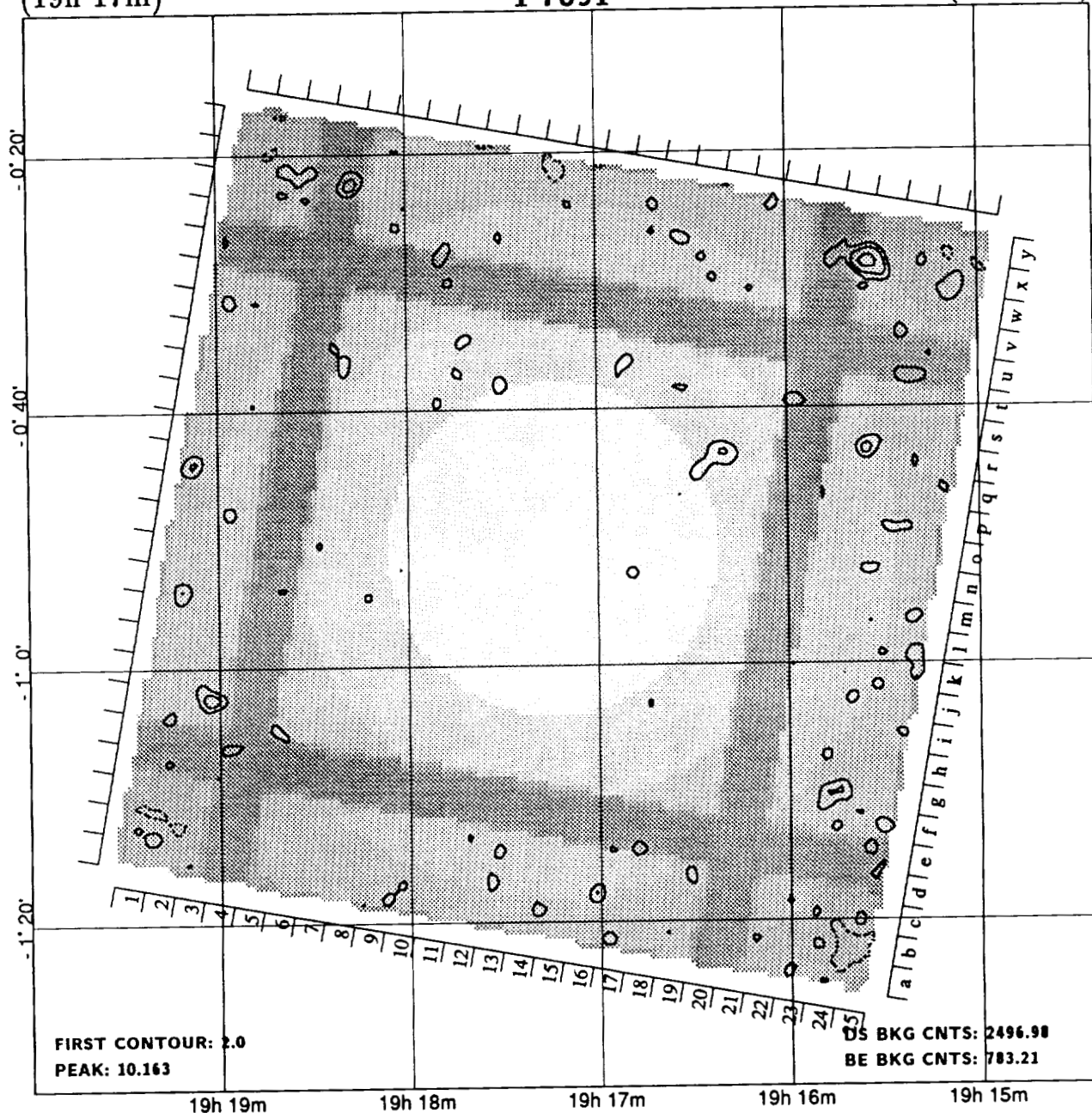
NH: 5.5E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4226	1L	19 16 55.8	-58 45 52	31	0.933	0.043	769.4	171.6	21.6	1.5	0	0.2		SY

(19h 17m)

I 7891

(19h 17m)



H 1917-01, SINGLE-LINE SPECTROSCOPIC BINARIES

FIELD CENTER: $19^{\text{h}}17^{\text{m}}11.8^{\text{s}}$ $-00^{\circ}50'59''$ (B1950)
 $19^{\text{h}}19^{\text{m}}46.5^{\text{s}}$ $-00^{\circ}45'23''$ (J2000)
 $l: 35.50$ $b: -6.65$

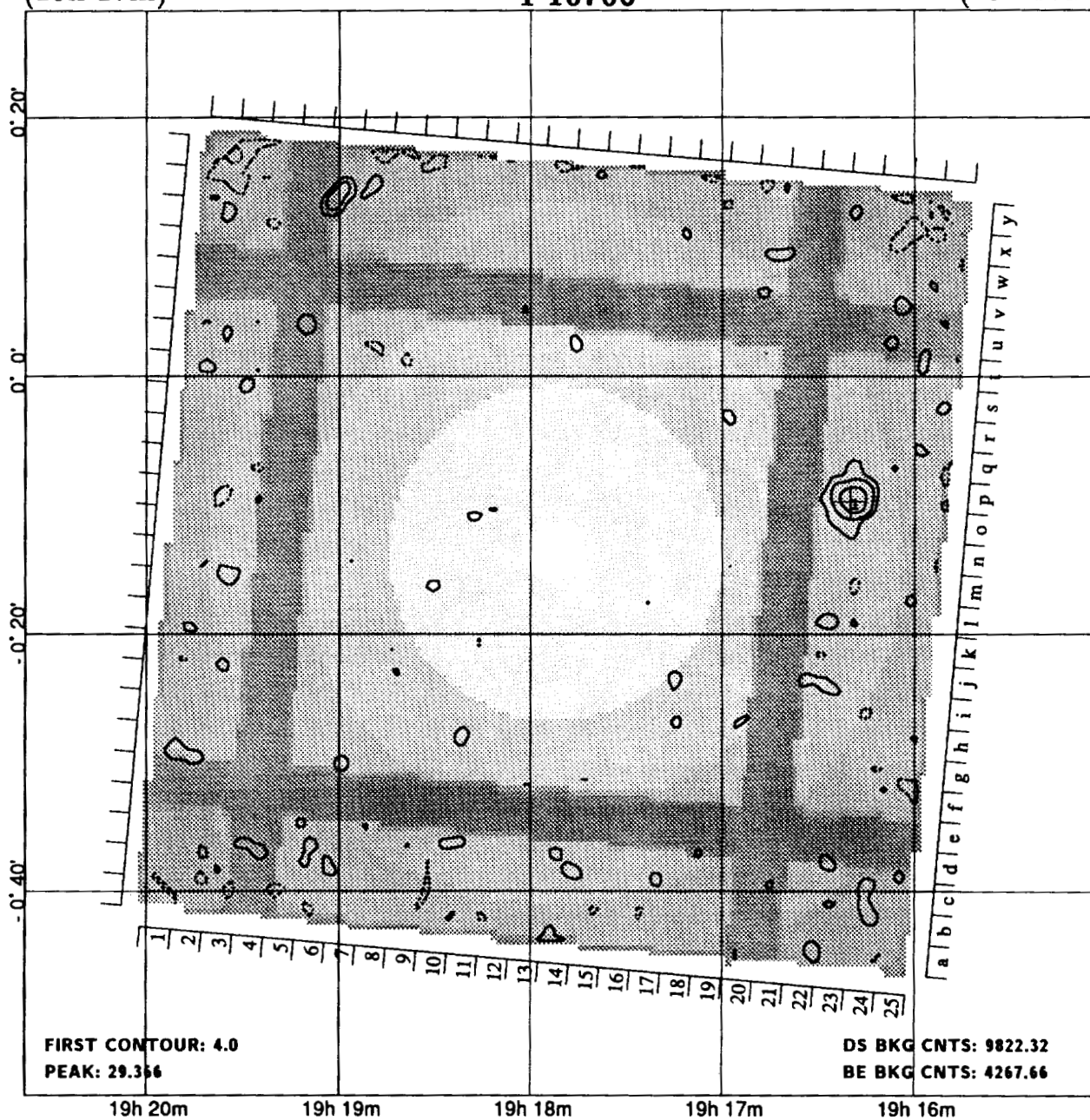
DATE: 1980/107 - 1980/107
 LIVETIME: 2096.0s
 ROLL ANGLE: -79.8°

NH: $2.5E+21$
 REF/ID:
 FIELD FLAGS:

(19h 17m)

I 10706

(19h 17m)



FIELD CENTER: $19^{\text{h}}17^{\text{m}}49.8^{\text{s}}$ $-00^{\circ}13'47''$ (B1950)
 $19^{\text{h}}20^{\text{m}}23.7^{\text{s}}$ $-00^{\circ}08'08''$ (J2000)
 $l: 36.13$ $b: -6.50$

DATE: 1981/ 92 - 1981/ 92
LIVETIME: 7959.3s
ROLL ANGLE: -85.0°

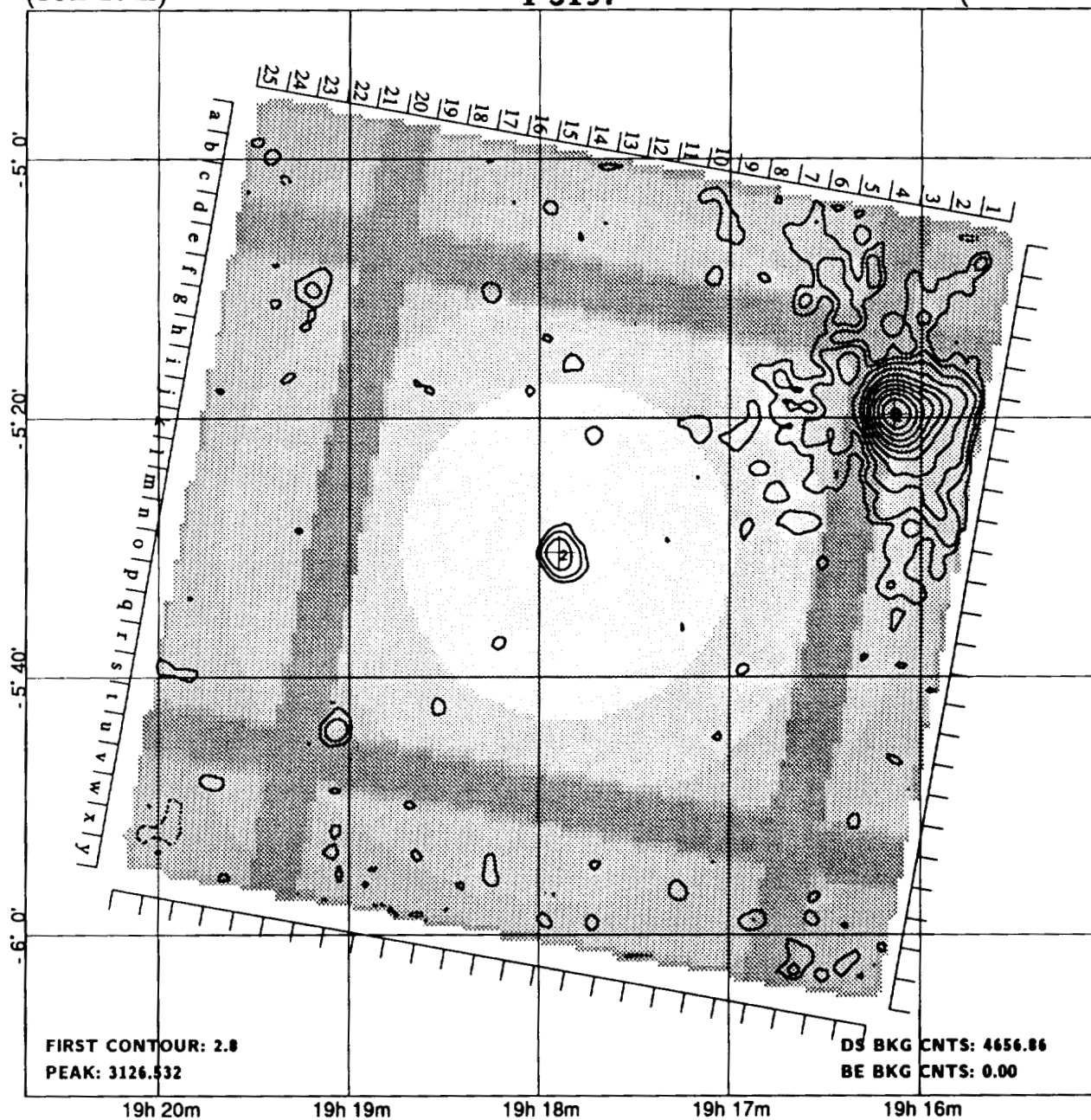
NH: 1.7E+21
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4223	1L	19 16 20.0	-00 09 46	50	0.0165	0.0033	59.8	37.2	4.9	1.3	0	22.8	S	

(19h 17m)

I 5197

(19h 17m)



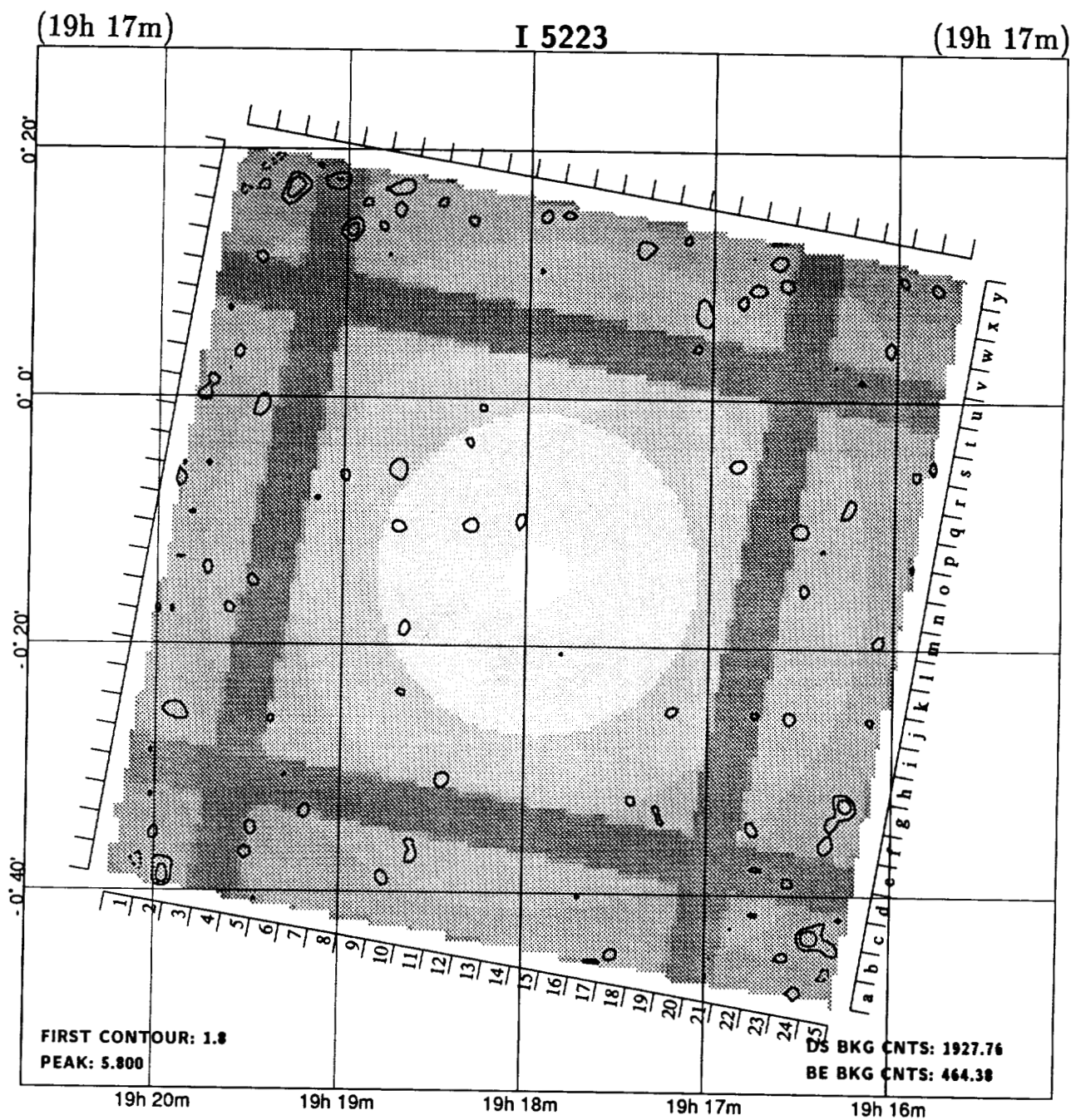
STAR 26 AQL, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: $19^h 17^m 52.8^s$ $-05^\circ 30' 29''$ (B1950)
 $19^h 20^m 32.6^s$ $-05^\circ 24' 50''$ (J2000)
 $l: 31.40$ $b: -8.93$

DATE: 1979/295 - 1979/295
 LIVETIME: 3773.6s
 ROLL ANGLE: 100.2°

NH: $2.2E+21$
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4222	1L	19 16 08.4	-05 19 43	47	*2.724	0.093	3998.5	786.5	29.2	1.3	1006	28.1	A	*
4230	2L	19 17 53.7	-05 30 23	31	0.0278	0.0041	78.3	21.7	6.6	1.1	0	0.3	A	

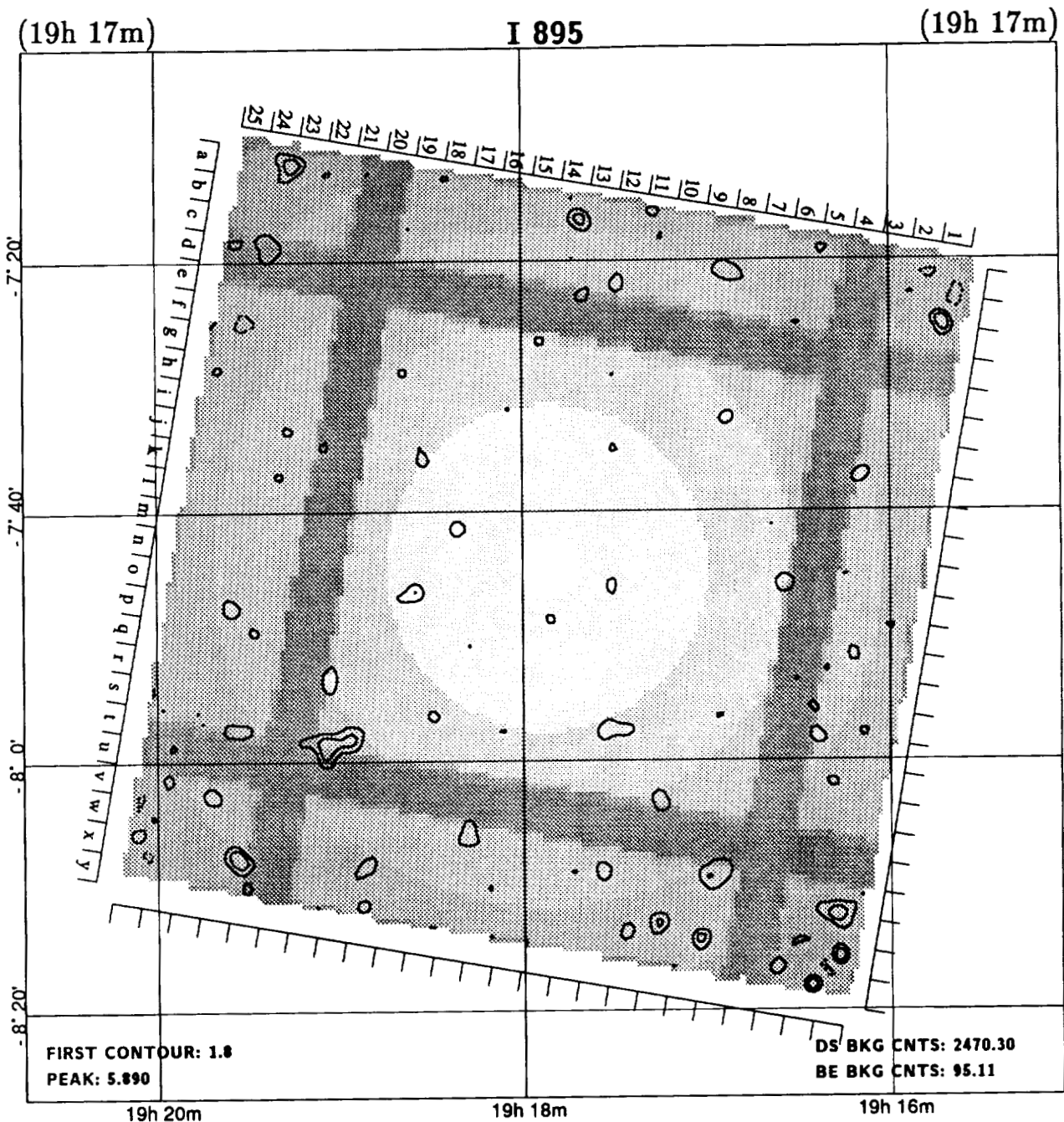


NOVA FH SER,X-RAYS FROM RECENT NOVAE

FIELD CENTER: $19^h 17^m 53.8^s$ $-00^\circ 13' 58''$ (B1950)
 $19^h 20^m 27.7^s$ $-00^\circ 08' 19''$ (J2000)
 $l: 36.13$ $b: -6.52$

DATE: 1980/106 - 1980/106
 LIVETIME: 1618.2s
 ROLL ANGLE: -80.3°

NH: $1.7E+21$
 REF/ID:
 FIELD FLAGS:

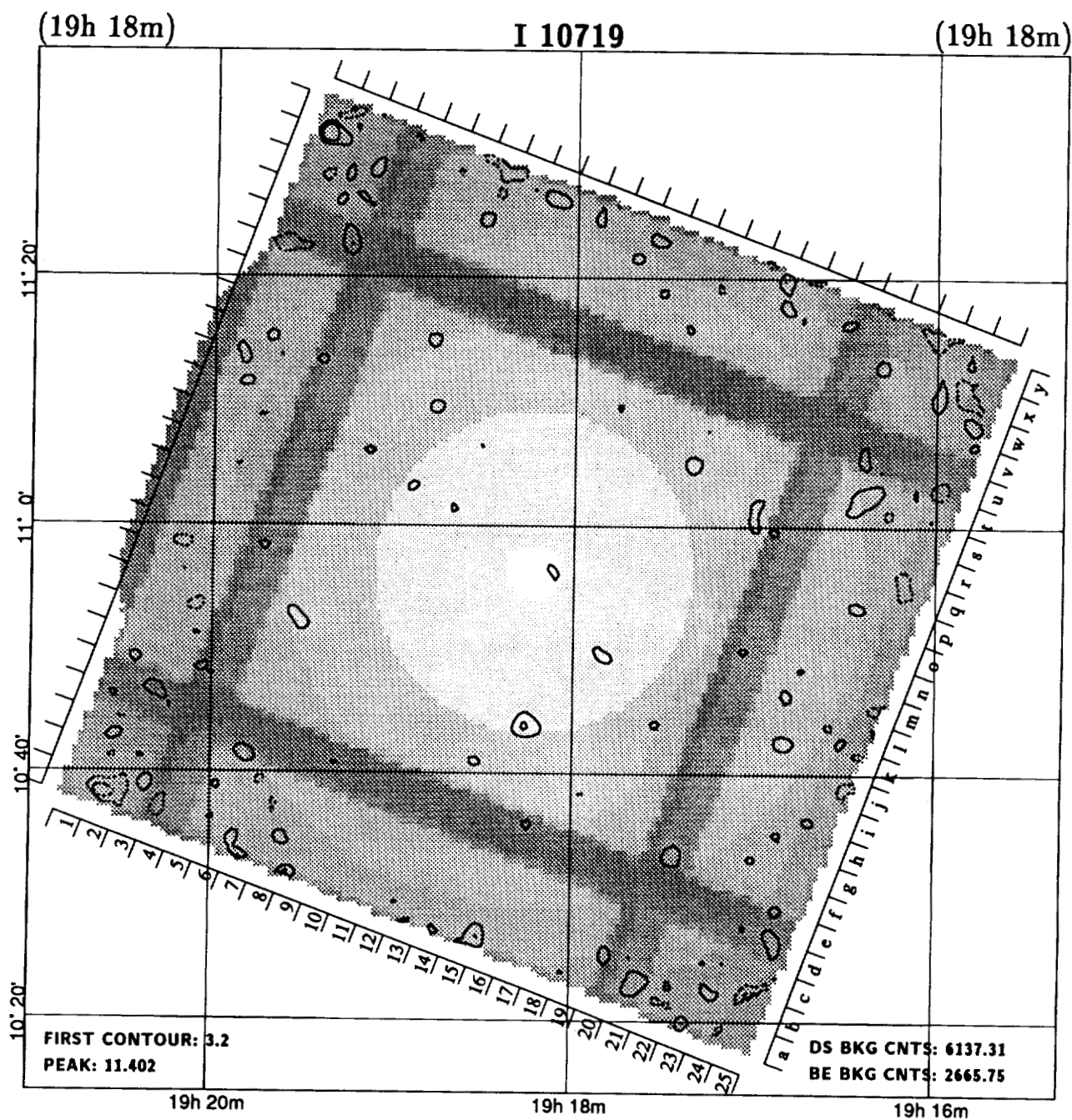


EG 131 (LDS678A) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $19^{\text{h}}17^{\text{m}}53.9^{\text{s}}$ $-07^{\circ}44'59''$ (B1950)
 $19^{\text{h}}20^{\text{m}}36.2^{\text{s}}$ $-07^{\circ}39'20''$ (J2000)
 $l: 29.37$ $b: -9.94$

DATE: 1979/295 - 1979/295
 LIVETIME: 2001.7s
 ROLL ANGLE: 99.9°

NH: $1.7\text{E}+21$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: $19^h 18^m 08.7^s$ $10^\circ 56' 14''$ (B1950)
 $19^h 20^m 30.3^s$ $11^\circ 01' 55''$ (J2000)
 $l: 46.05$ $b: -1.33$

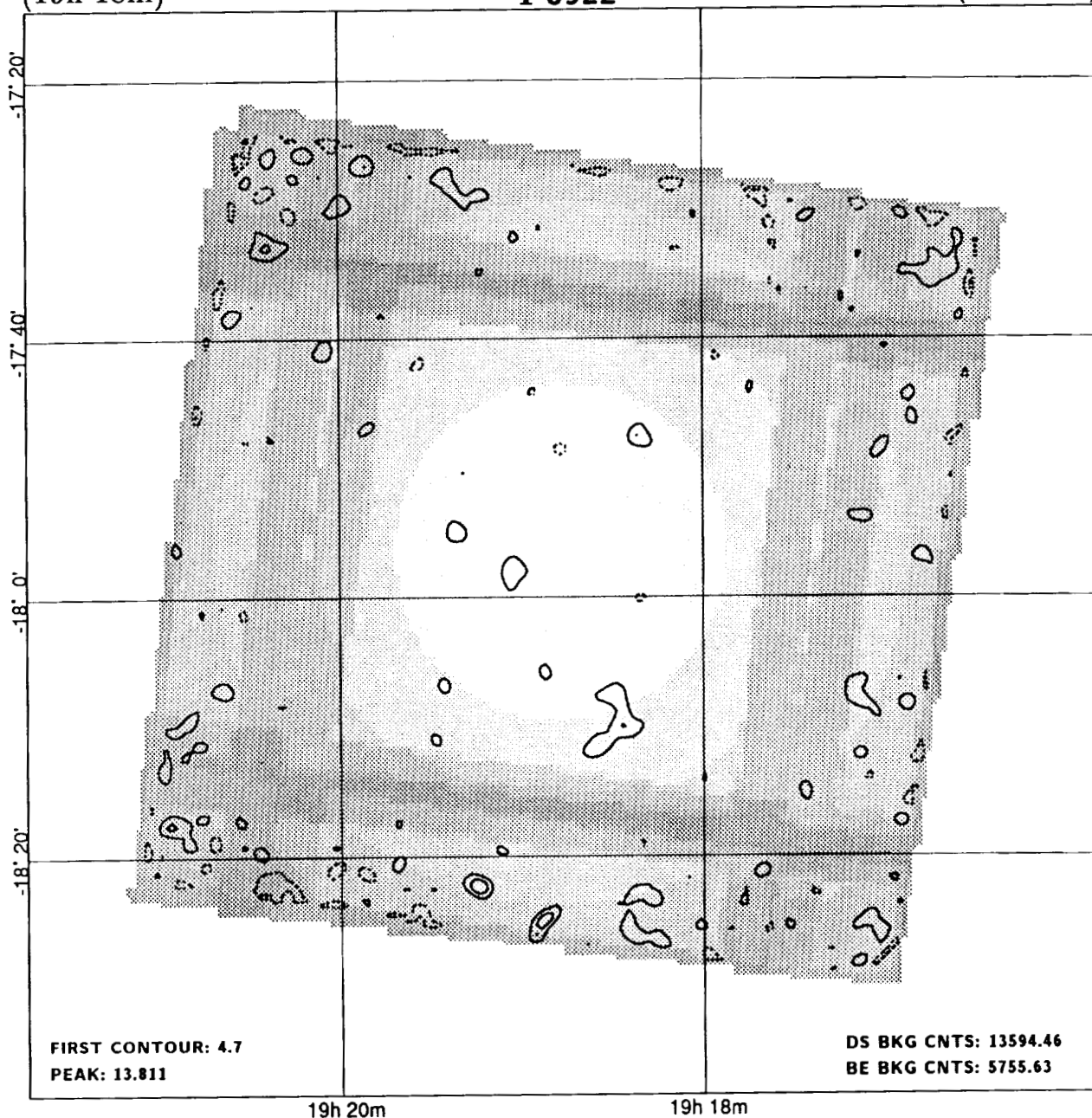
DATE: 1981/ 96 - 1981/ 97
 LIVETIME: 4973.2s
 ROLL ANGLE: -69.6°

NH: $1.0E+22$
 REF/ID:
 FIELD FLAGS: L

(19h 18m)

I 8922

(19h 18m)

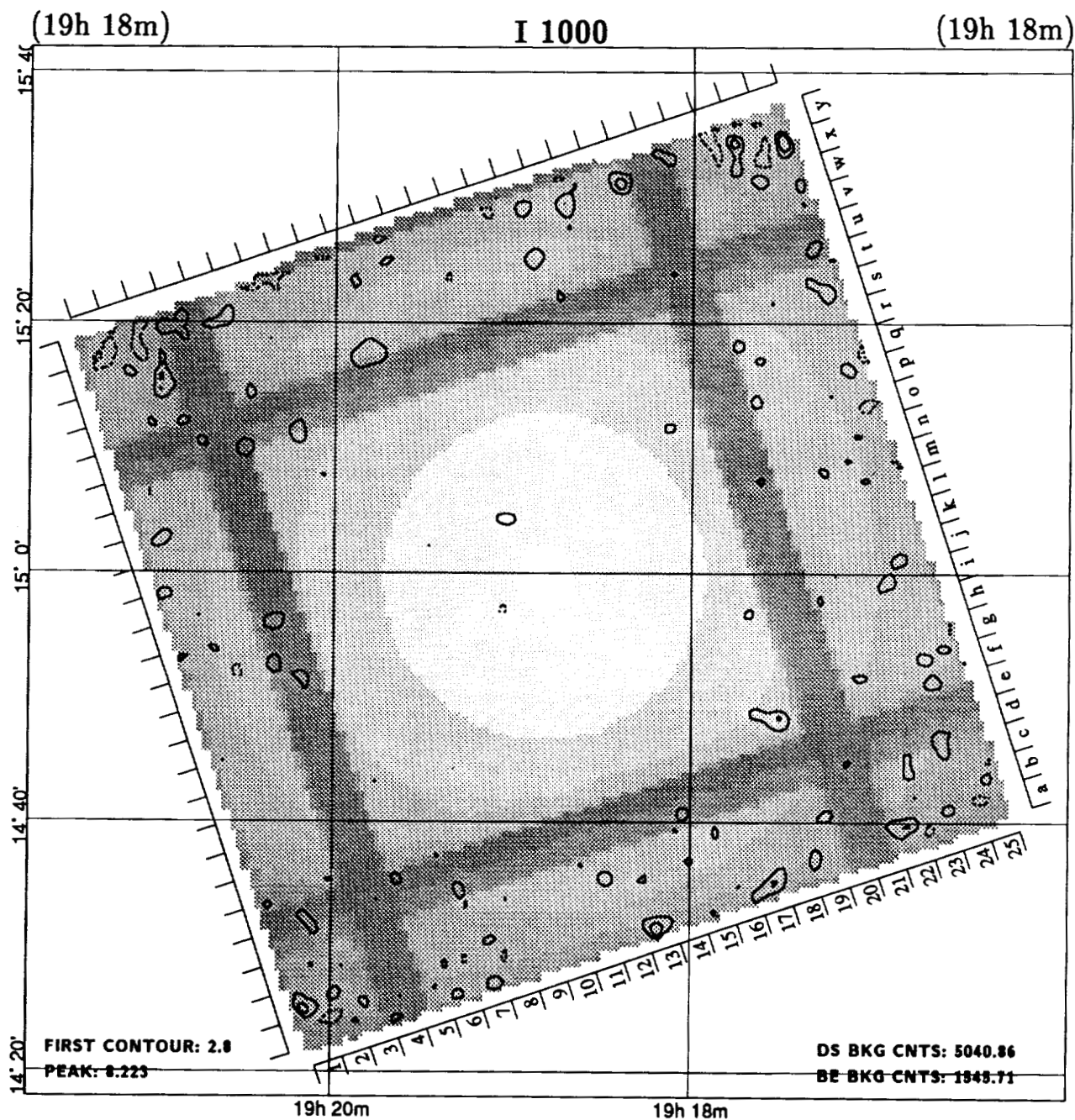


RHO SGR, EMISSION FROM DELTA SCUTI STARS

FIELD CENTER: $19^h 18^m 46.2^s$ $-17^\circ 56' 34''$ (B1950)
 $19^h 21^m 40.2^s$ $-17^\circ 50' 50''$ (J2000)
 $l: 20.06$ $b: -14.55$

DATE: 1980/294 - 1981/ 85
 LIVETIME: 11016.0s

NH: $7.8E+20$
 REF/ID:
 FIELD FLAGS: L



4U 1918+15, GALACTIC SOURCE LOCATION AND SPECTRA

FIELD CENTER: $19^{\text{h}}18^{\text{m}}47.6^{\text{s}}$ $14^{\circ}59'59''$ (B1950)
 $19^{\text{h}}21^{\text{m}}04.5^{\text{s}}$ $15^{\circ}05'42''$ (J2000)
 $l: 49.70$ $b: 0.45$

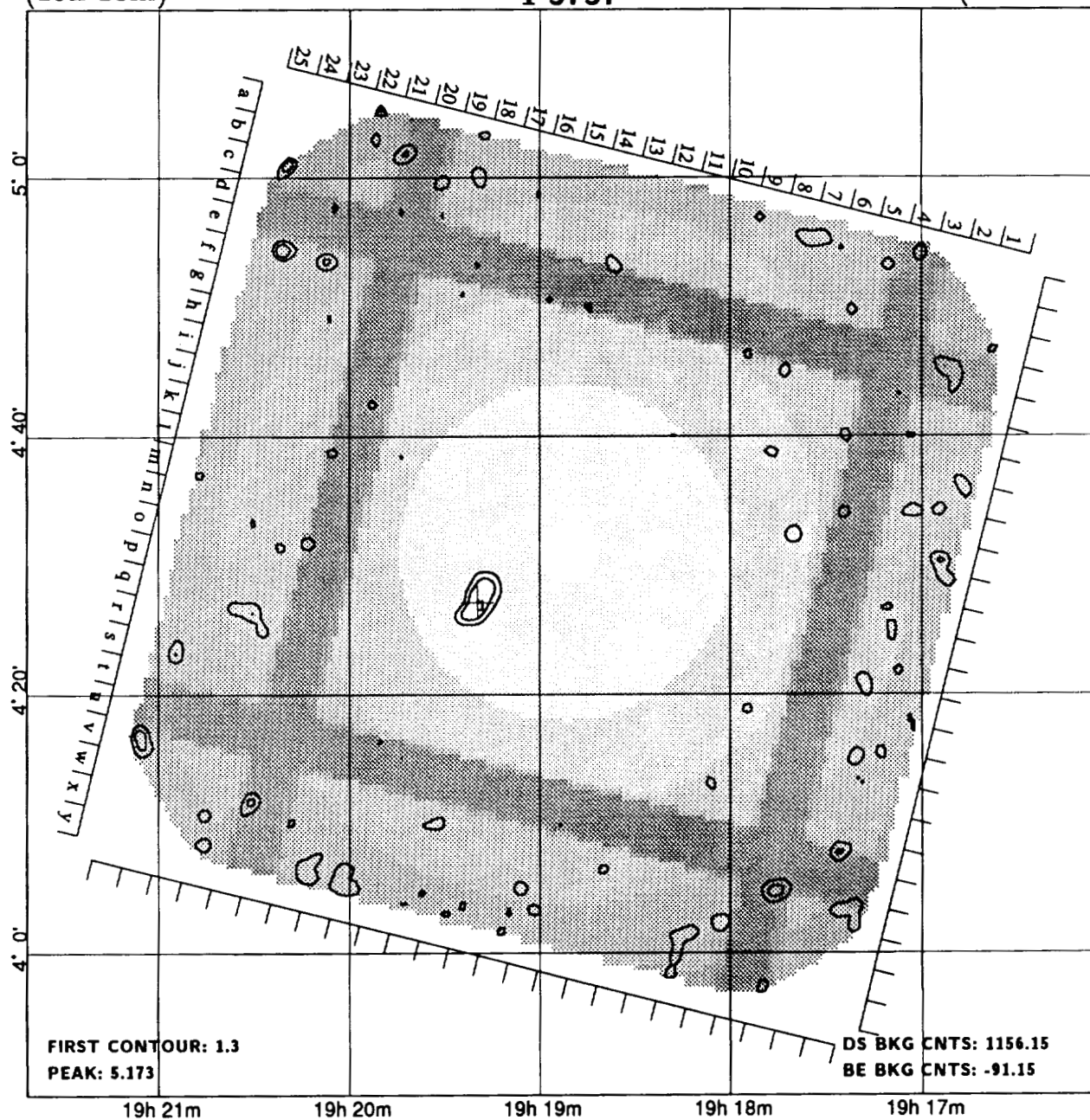
DATE: 1981/112 - 1981/112
 LIVETIME: 4084.8s
 ROLL ANGLE: -108.5°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(19h 18m)

I 3757

(19h 18m)



FIELD CENTER: $19^h 18^m 52.8^s$ $04^\circ 30' 59''$ (B1950)
 $19^h 21^m 21.6^s$ $04^\circ 36' 43''$ (J2000)
 $l: 40.47$ $b: -4.52$

DATE: 1979/292 - 1979/301
 LIVETIME: 936.9s
 ROLL ANGLE: 104.0°

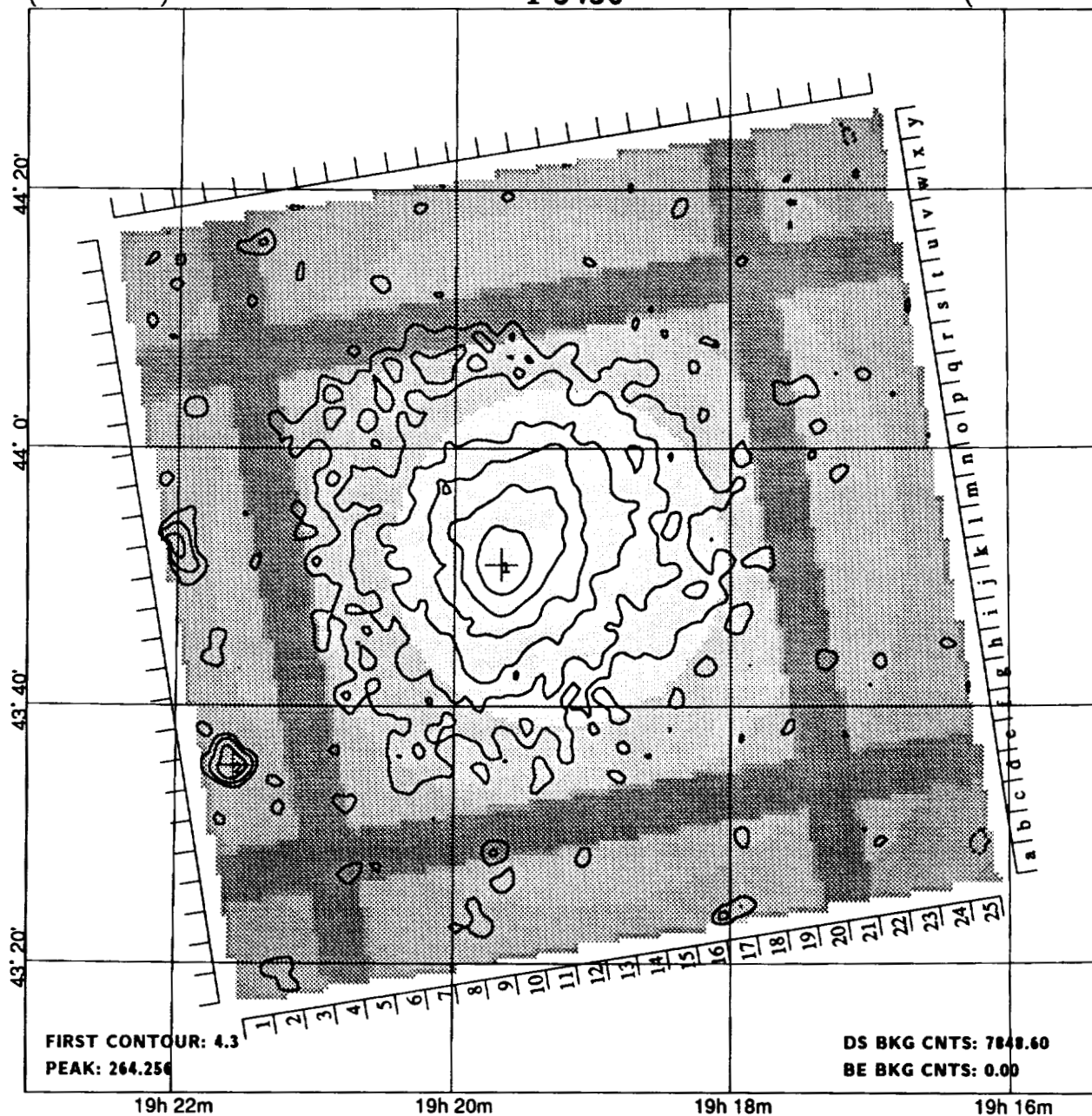
NH: $4.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4233	1	19 19 19.5	04 27 08	43	0.0291 0.0071	18.7	2.3	4.1	1.1	0	7.3	AH	

(19h 19m)

I 3456

(19h 19m)



A 2319, RICH CLUSTER OF GALAXIES

FIELD CENTER: $19^{\text{h}}19^{\text{m}}11.8^{\text{s}}$ $43^{\circ}51'59''$ (B1950)

DATE: 1979/ 85 - 1979/ 85

NH: $0.5\text{E}+20$ $19^{\text{h}}20^{\text{m}}45.1^{\text{s}}$ $43^{\circ}57'42''$ (J2000)

LIVETIME: 6360.0s

REF/ID:

 $l: 75.67$ $b: 13.58$ ROLL ANGLE: -99.3°

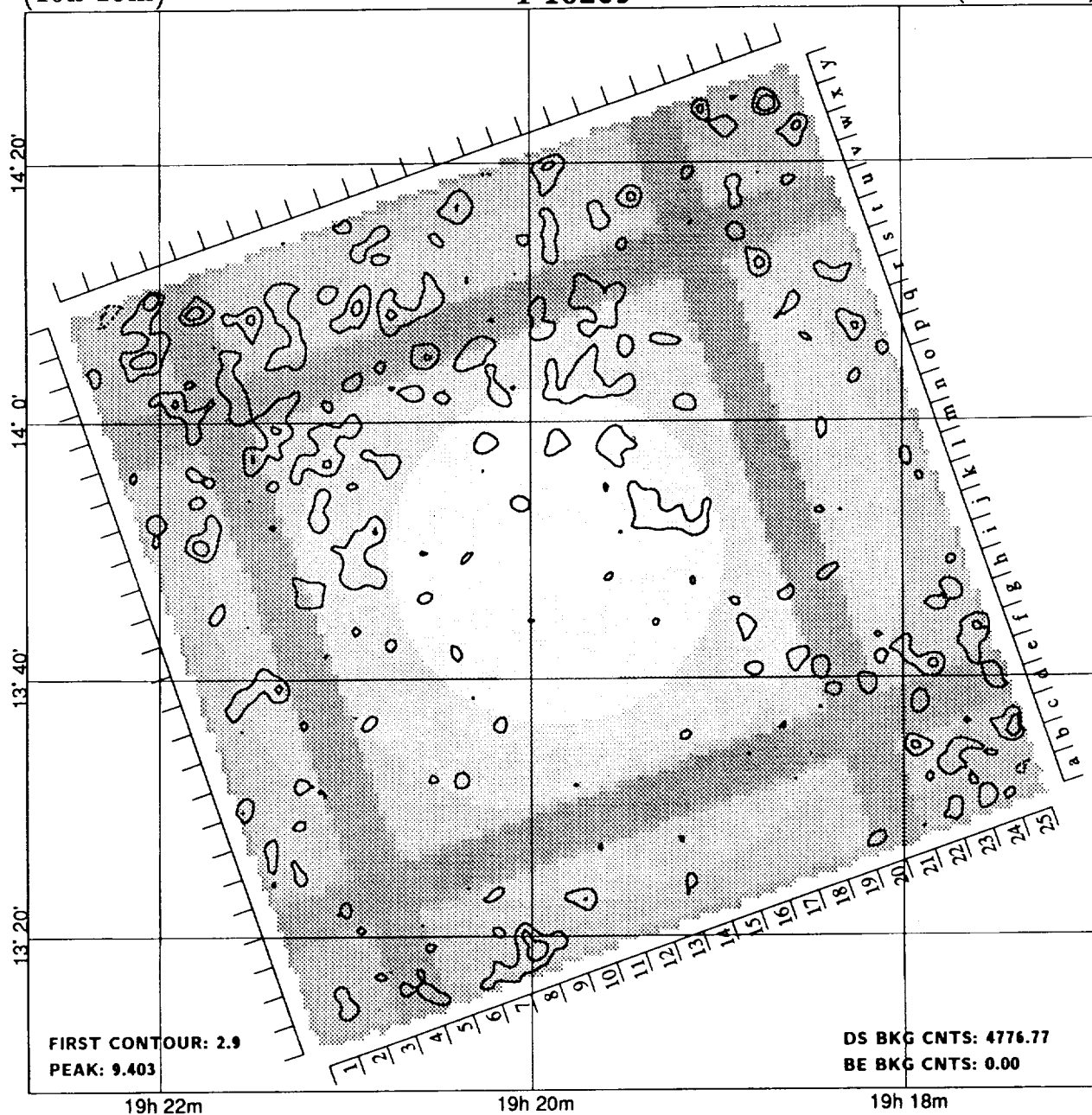
FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4234	1L	19 19 39.7	43 51 00	37	0.109	0.010	498.7	844.3	10.7	10.9	0	5.1		CLG
4244	2L	19 21 35.2	43 35 22	51	0.0241	0.0046	53.7	21.3	5.1	1.1	0	30.8		

(19h 19m)

I 10269

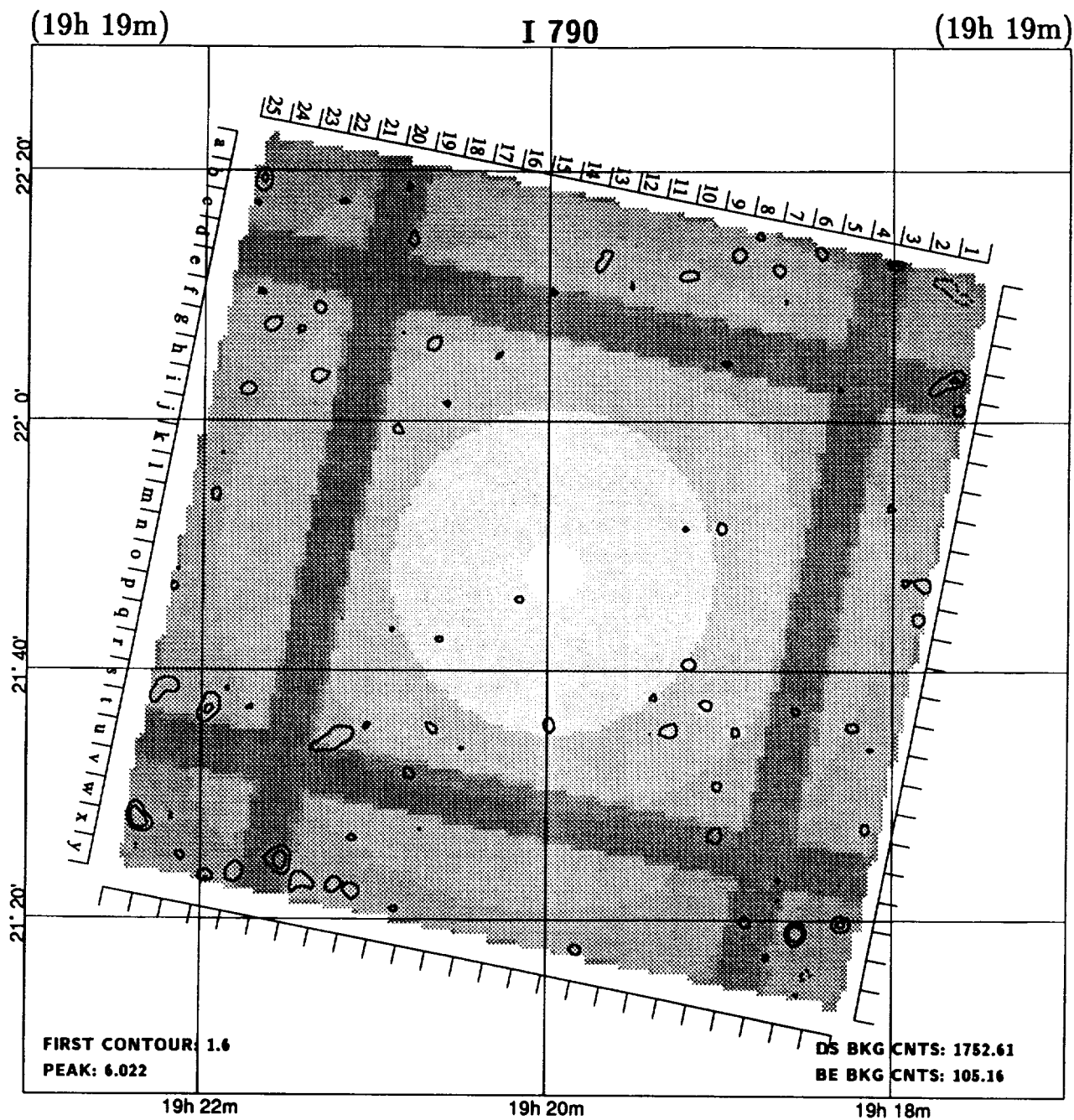
(19h 19m)



FIELD CENTER: 19^h19^m49.9^s 13°49'59" (B1950)
19^h22^m08.2^s 13°55'46" (J2000)
 l : 48.80 b : -0.32

DATE: 1981/112 - 1981/113
LIVETIME: 3870.8s
ROLL ANGLE: -109.3°

NH: 1.3E+22
REF/ID:
FIELD FLAGS: L

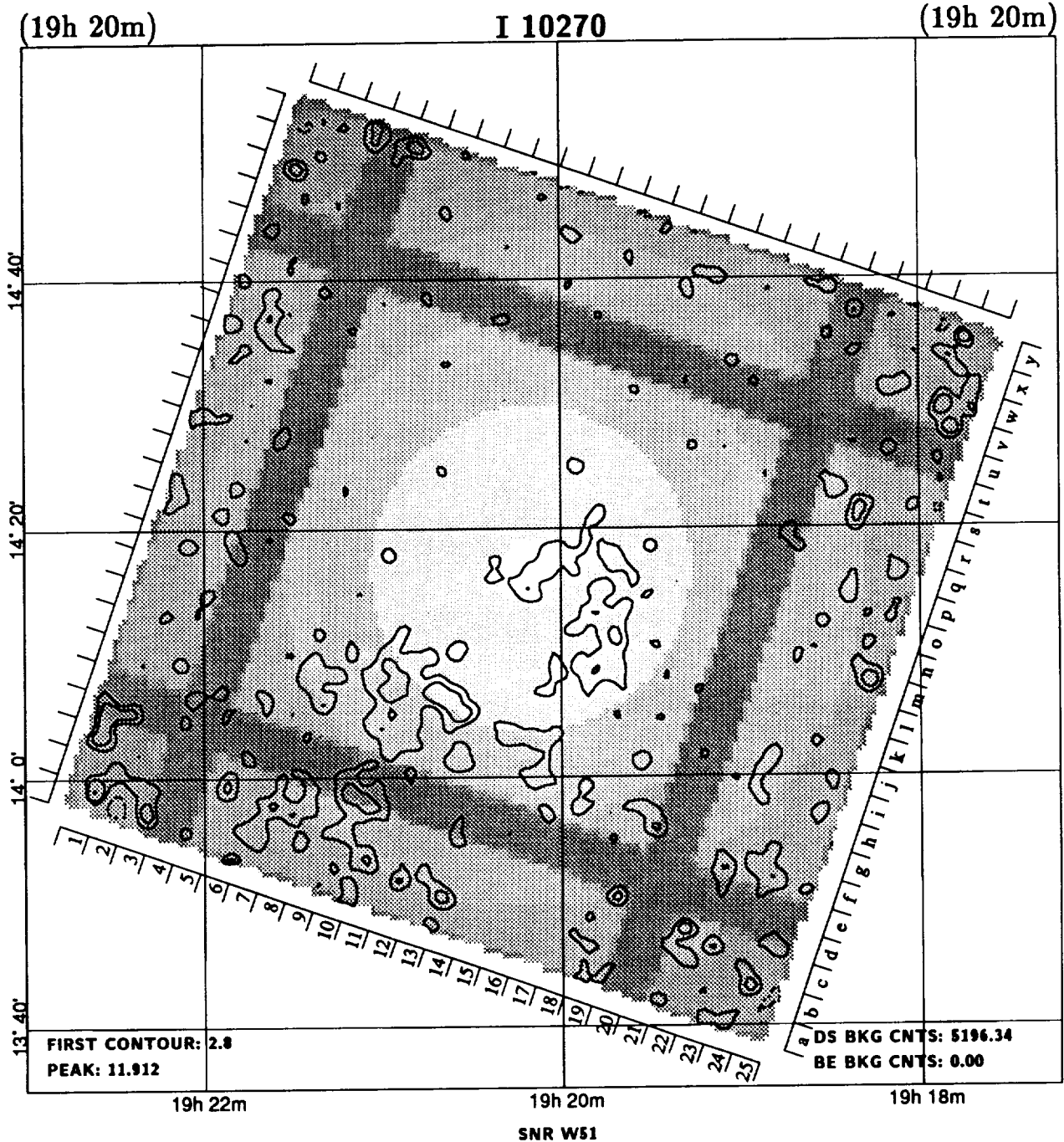


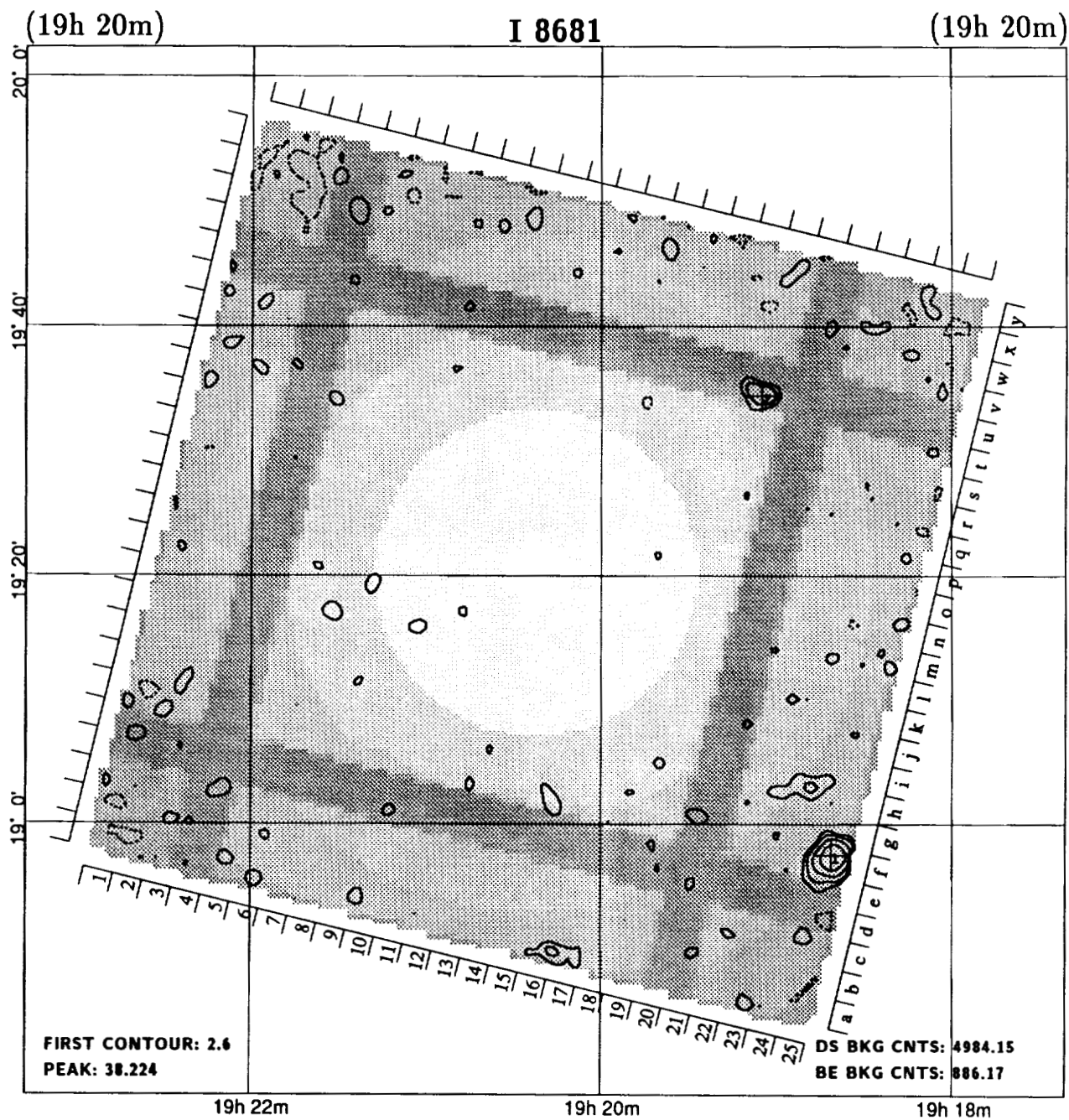
CP 1919+21 RADIO PULSARS, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $19^{\text{h}}19^{\text{m}}59.8^{\text{s}}$ $21^{\circ}47'59''$ (B1950)
 $19^{\text{h}}22^{\text{m}}08.4^{\text{s}}$ $21^{\circ}53'47''$ (J2000)
 ℓ : 55.83 b : 3.43

DATE: 1979/293 - 1979/293
 LIVETIME: 1420.2s
 ROLL ANGLE: 101.1°

NH: $5.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:





SOURCE POSITION 2, COS-B GAMMA RAY SOURCES

FIELD CENTER: $19^h 20^m 18.8^s$ $19^\circ 20' 23''$ (B1950)
 $19^h 22^m 30.5^s$ $19^\circ 26' 12''$ (J2000)
 $l: 53.70$ $b: 2.20$

DATE: 1981/100 - 1981/100
 LIVETIME: 4038.8s
 ROLL ANGLE: -76.4°

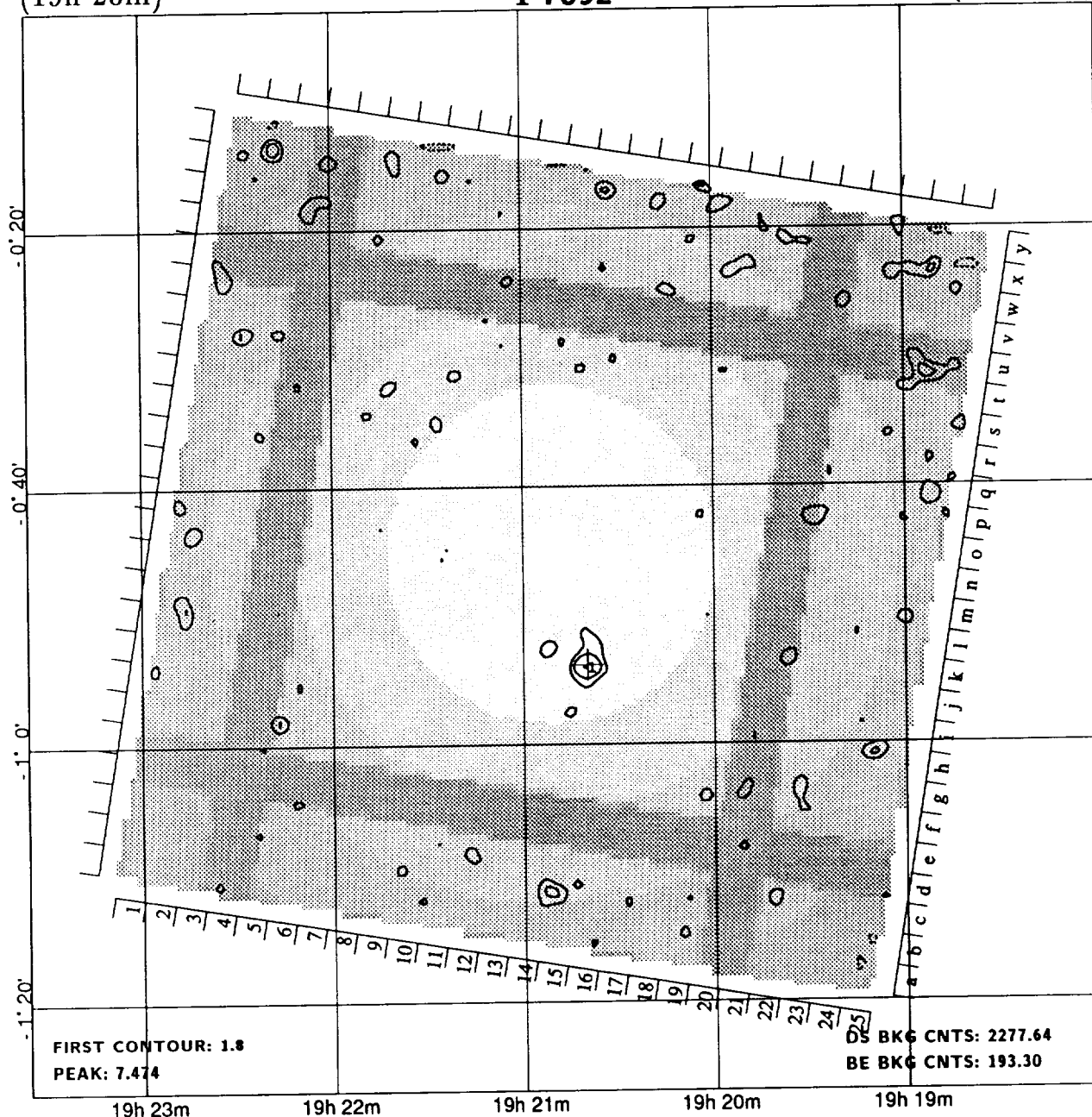
NH: $9.3E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4231	1	19 18 41.2	18 57 35	50	0.0524	0.0070	64.1	9.9	7.5	1.1	500	32.4	H S
4232	2	19 19 04.8	19 34 26	53	*0.0140	0.0032	26.0	9.0	4.4	0.8	1309	22.3	

(19h 20m)

I 7892

(19h 20m)

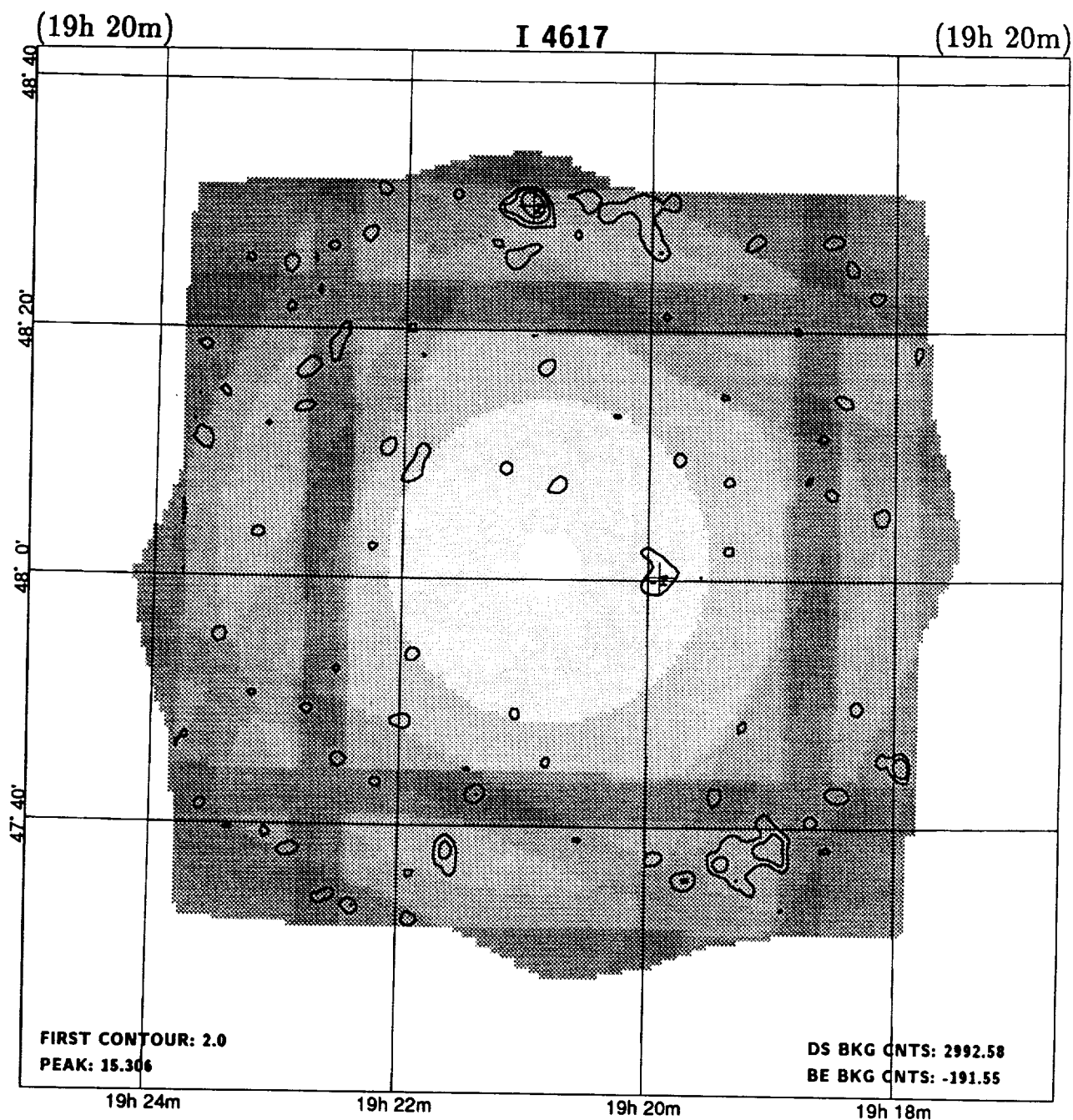


FIELD CENTER: $19^h 20^m 47.8^s$ $-00^\circ 44' 59''$ (B1950)
 $19^h 23^m 22.4^s$ $-00^\circ 39' 08''$ (J2000)
 $l: 36.01$ $b: -7.40$

DATE: 1980/105 - 1980/105
 LIVETIME: 1845.6s
 ROLL ANGLE: -80.8°

NH: $2.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4239	1	19 20 39.9	-00 53 50	42	0.0199	0.0045	24.9	6.1	4.5	1.0	0	9.1	H



POOR ZWICKY CLUSTER: 1919+479

FIELD CENTER: $19^{\text{h}}20^{\text{m}}49.8^{\text{s}}$ $48^{\circ}00'29''$ (B1950)
 $19^{\text{h}}22^{\text{m}}13.9^{\text{s}}$ $48^{\circ}06'18''$ (J2000)
 $l: 79.67$ $b: 15.06$

DATE: 1979/283 - 1979/310
 LIVETIME: 2425.0s

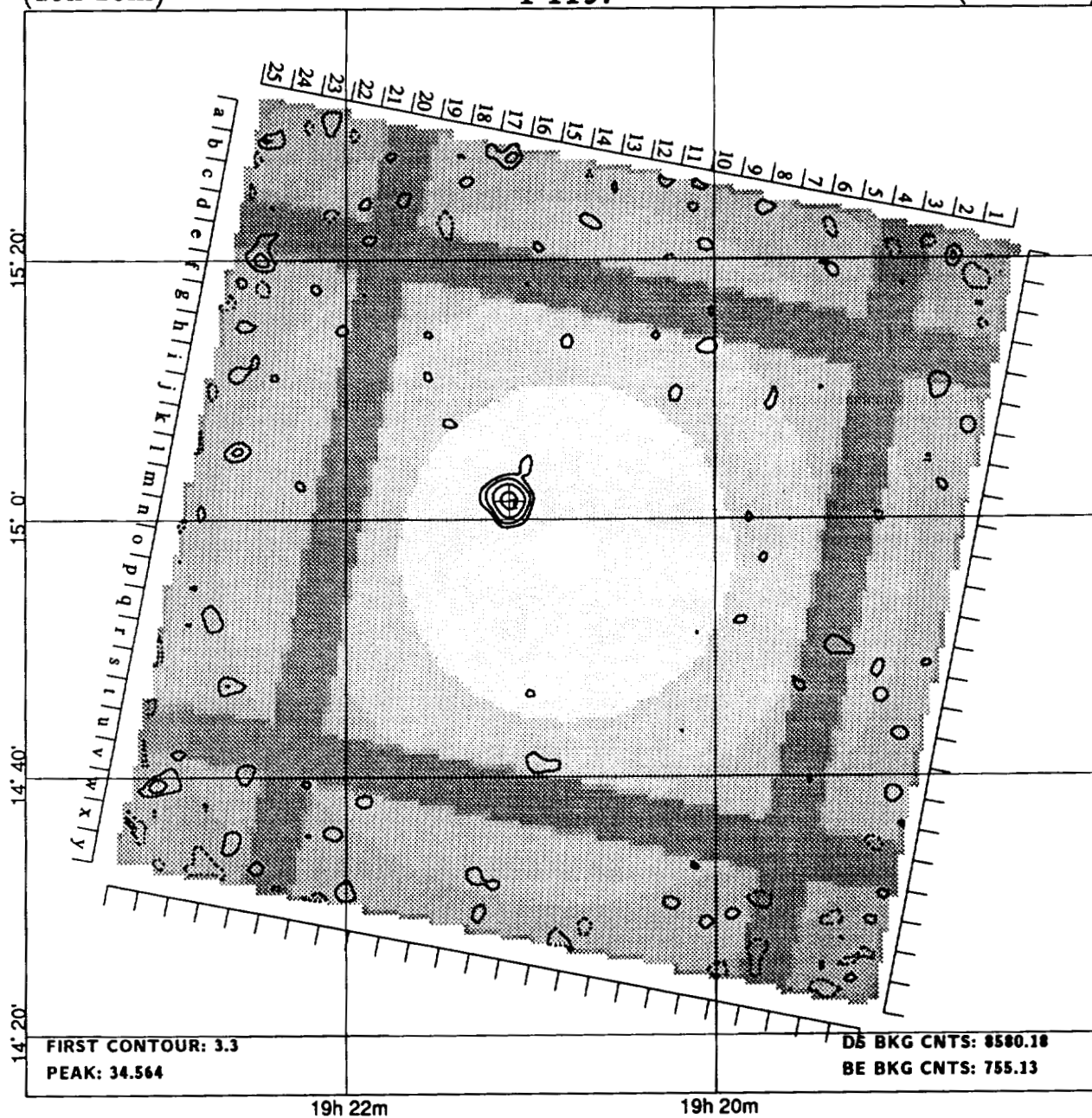
NH: $7.2\text{E}+20$
 REF/ID: G
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4235	1	19 19 54.5	48 00 15	47	0.0113	0.0030	18.5	6.5	3.7	1.0	0	8.9	H	
4240	2	19 20 58.6	48 30 02	51	0.0290	0.0061	26.2	3.8	4.8	1.1	100	29.2	H	

(19h 20m)

I 1197

(19h 20m)



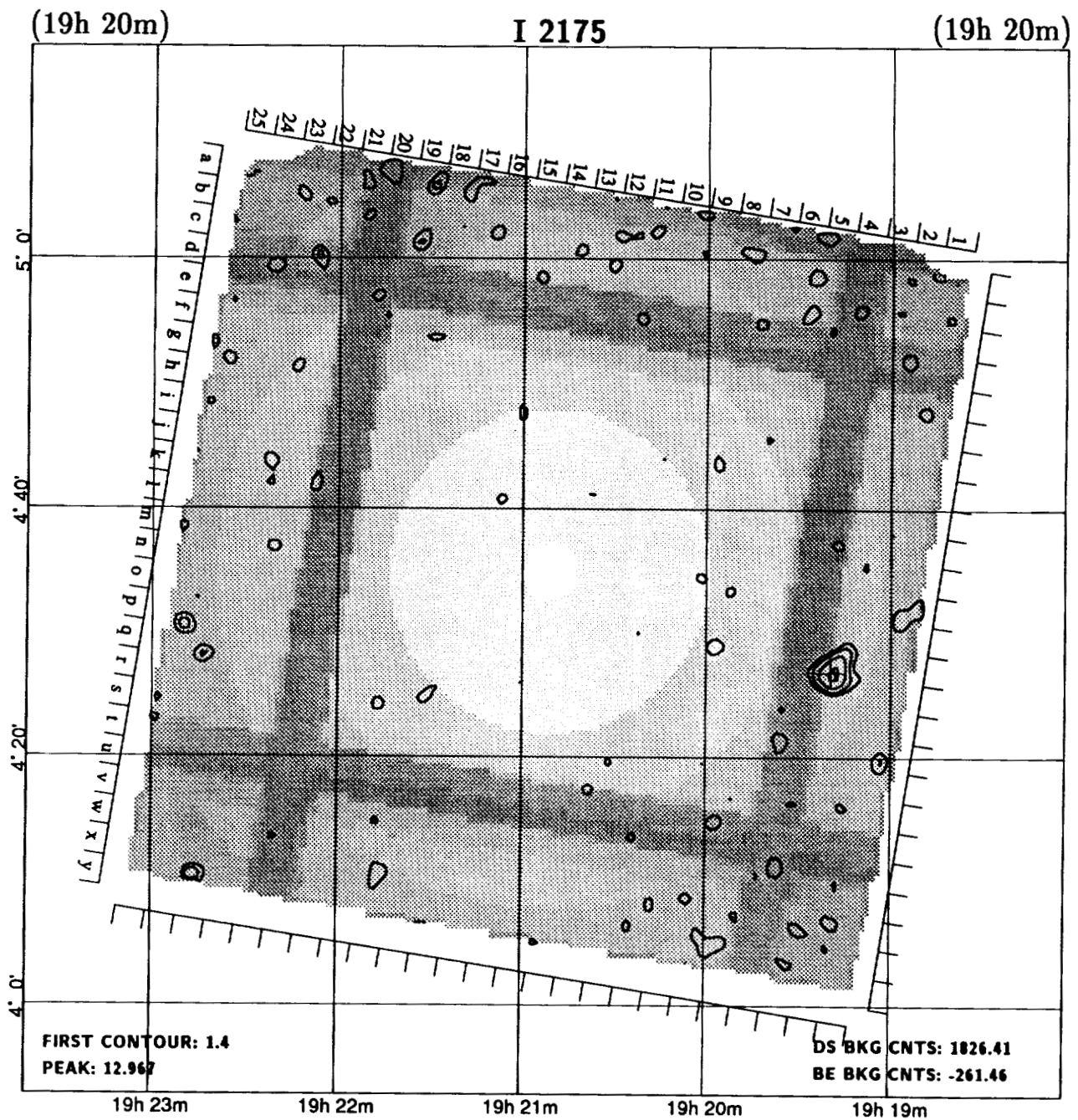
BINARY PULSAR GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}20^{\text{m}}50.1^{\text{s}}$ $14^{\circ}57'23''$ (B1950)
 $19^{\text{h}}23^{\text{m}}07.1^{\text{s}}$ $15^{\circ}03'14''$ (J2000)
 $l: 49.90$ $b: 0.00$

DATE: 1979/293 - 1979/293
 LIVETIME: 6952.8s
 ROLL ANGLE: 101.0°

NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4242	1	19 21 06.8	15 01 24	38	0.0264	0.0025	129.4	23.6	10.5	1.0	0	5.8	H	S



X-RAY STUDY OF SUPERNOVA REMNANTS:

FIELD CENTER: $19^h 20^m 51.9^s$ $04^\circ 34' 58''$ (B1950)
 $19^h 23^m 20.6^s$ $04^\circ 40' 50''$ (J2000)
 $l: 40.76$ $b: -4.93$

DATE: 1979/290 - 1979/290
 LIVETIME: 1480.0s
 ROLL ANGLE: 99.0°

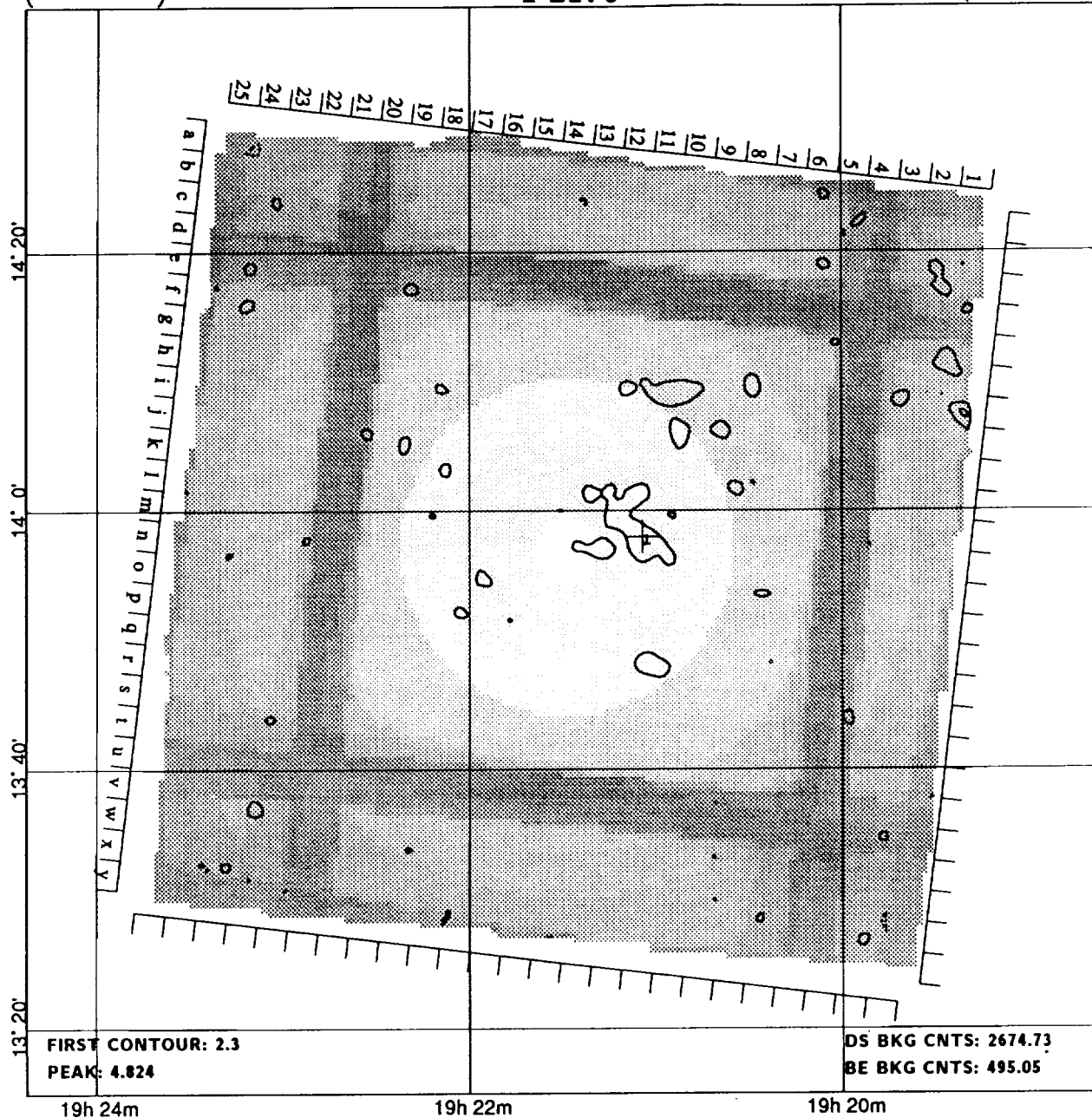
NH: $3.7E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4233	1	19 19 19.5	04 26 49	50	*0.0477	0.0088	31.5	2.5	5.4	1.0	803	24.5	AH

(19h 21m)

I 2176

(19h 21m)



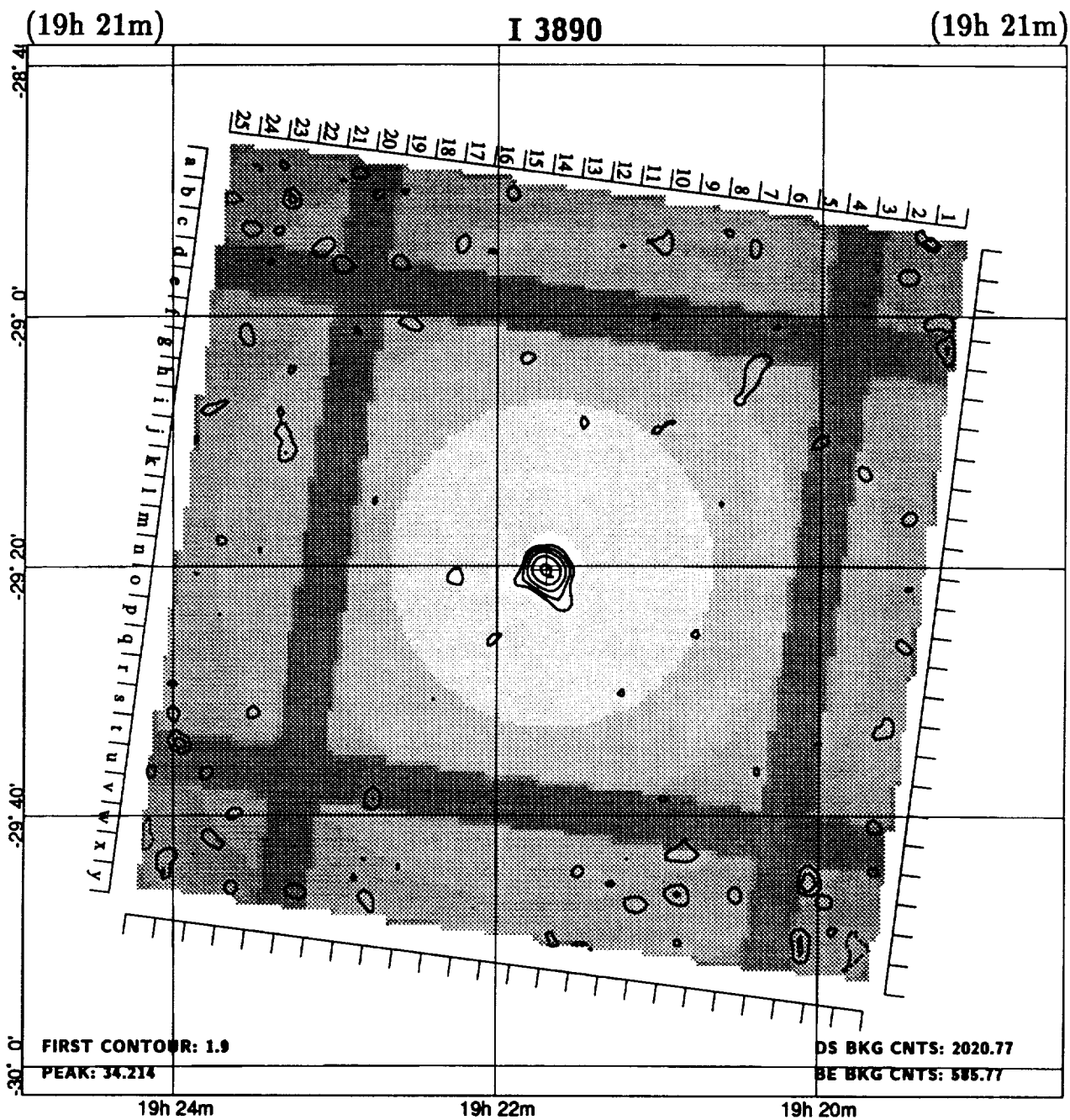
X-RAY STUDY OF SUPERNOVA REMNANTS: G49.2-0.5

FIELD CENTER: $19^{\text{h}}21^{\text{m}}29.8^{\text{s}}$ $13^{\circ}56'59''$ (B1950)
 $19^{\text{h}}23^{\text{m}}48.0^{\text{s}}$ $14^{\circ}02'53''$ (J2000)
 $l: 49.09$ $b: -0.62$

DATE: 1979/283 - 1979/292
 LIVETIME: 2167.4s
 ROLL ANGLE: 96.8°

NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS:

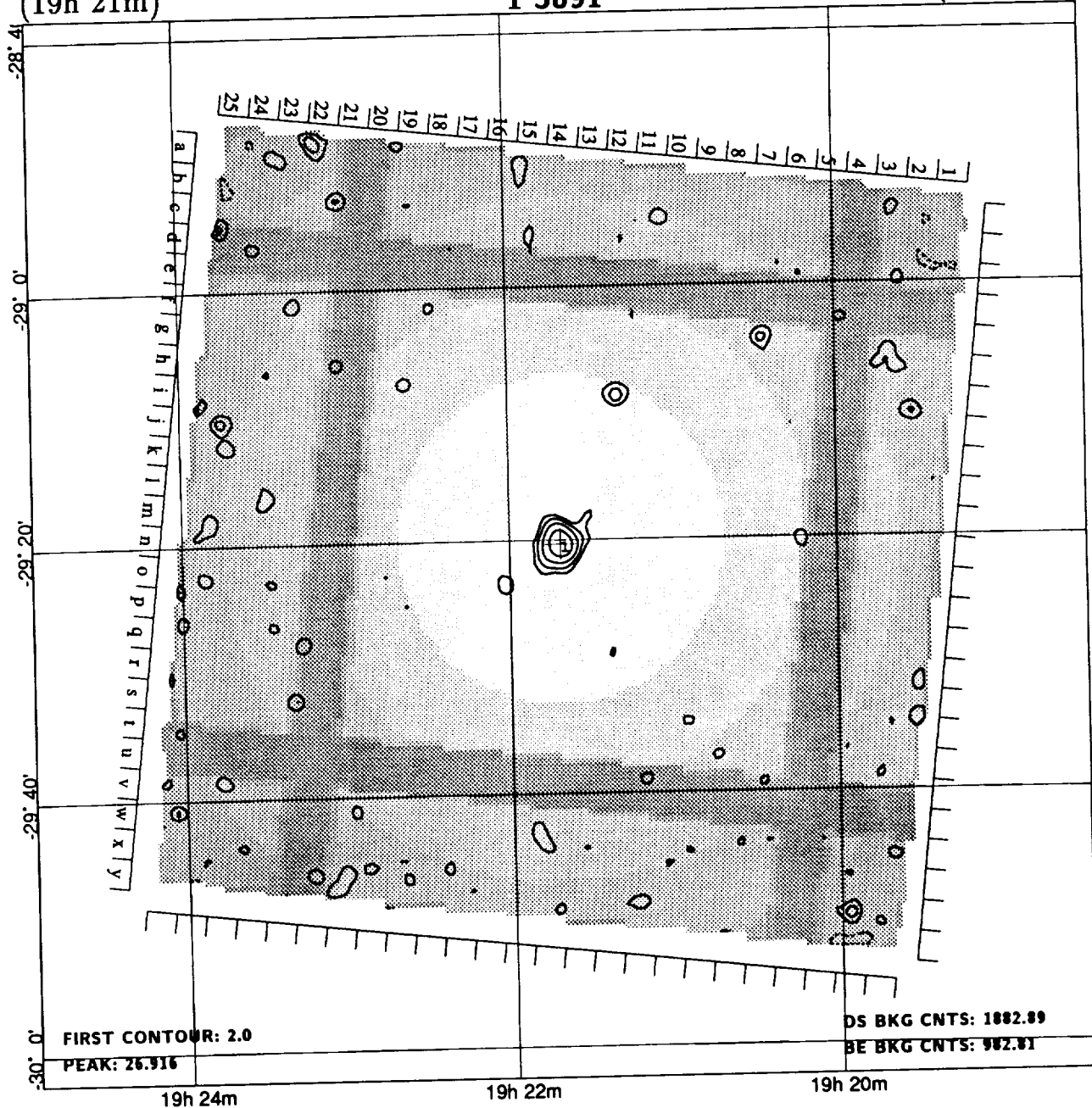
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4241	1	19 21 04.2	13 57 59	48	0.0147	0.0036	22.5	8.5	4.0	2.0	0	5.9	H	



(19h 21m)

I 3891

(19h 21m)

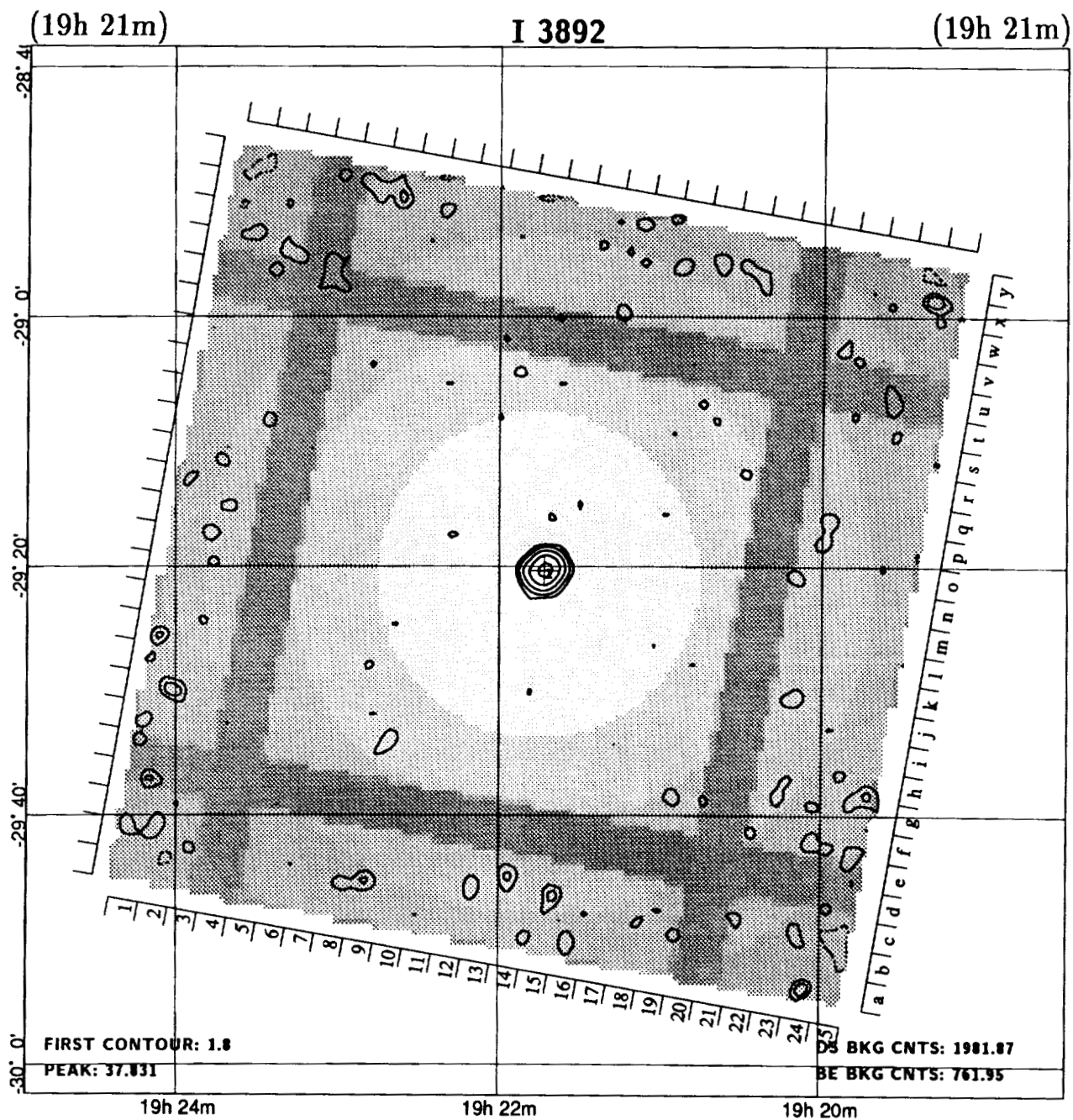


FIELD CENTER: $19^h 21^m 42.0^s$ $-29^\circ 20' 25''$ (B1950)
 $19^h 24^m 50.8^s$ $-29^\circ 14' 29''$ (J2000)
 ℓ : 9.34 b : -19.61

DATE: 1979/298 - 1979/298
 LIVETIME: 1525.8s
 ROLL ANGLE: 96.3°

NH: $7.5E+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4245	1L	19 21 41.3	-29 20 19	31	0.087	0.011	98.9	19.1	7.8	1.1	0	0.2	A	BL



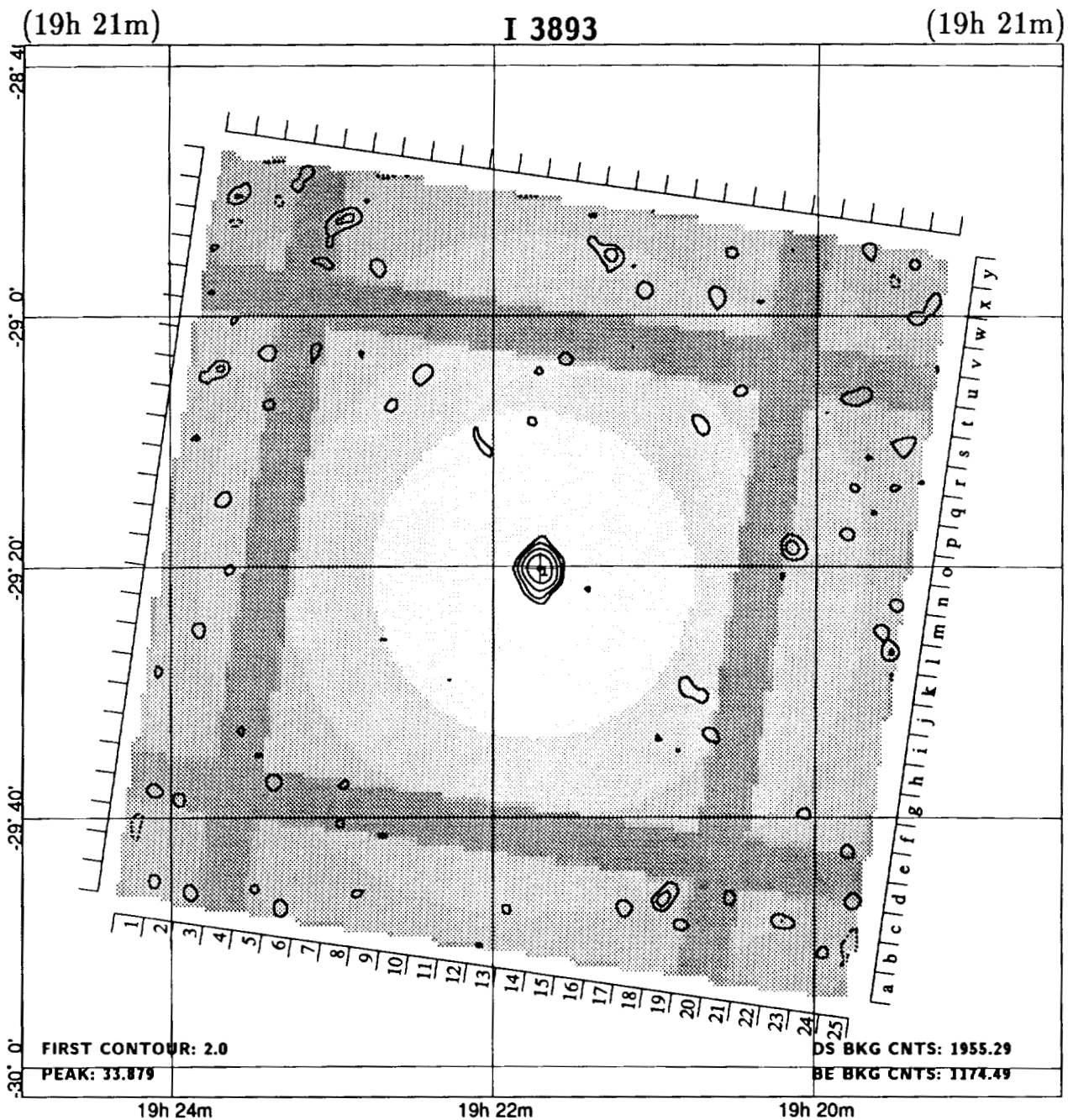
1921-293, BL-LAC OBJECT

FIELD CENTER: 19^h21^m42.0^s -29°20'25" (B1950)
 19^h24^m50.8^s -29°14'29" (J2000)
 ℓ : 9.34 b : -19.61

DATE: 1980/ 83 - 1980/ 83
 LIVETIME: 1663.6s
 ROLL ANGLE: -80.1°

NH: 7.5E+20
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4245	1L	19 21 43.2	-29 20 21	31	0.105	0.011	130.5	19.5	9.2	1.1	0	0.3	A	BL



1921-293, BL-LAC OBJECT

FIELD CENTER: $19^h 21^m 42.0^s$ $-29^\circ 20' 25''$ (B1950)
 $19^h 24^m 50.8^s$ $-29^\circ 14' 29''$ (J2000)
 $l: 9.34$ $b: -19.61$

DATE: 1980/ 97 - 1980/ 97
 LIVETIME: 1641.3s
 ROLL ANGLE: -81.9°

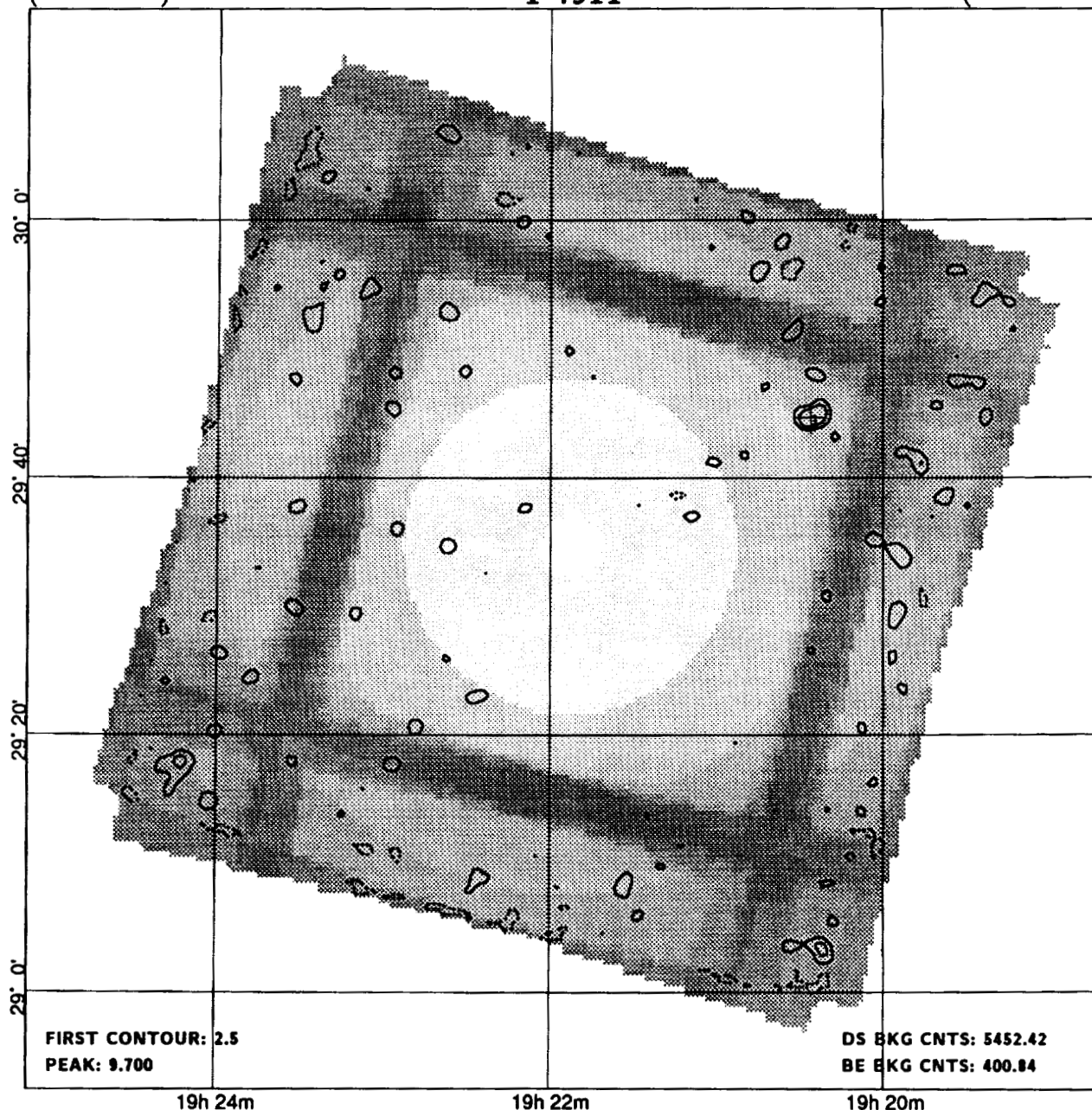
NH: $7.5E+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4245	1L	19 21 42.6	-29 20 10	31	0.111	0.011	135.9	10.1	9.9	1.1	0	0.3	A	BL

(19h 21m)

I 4911

(19h 21m)



SYMBIOTIC STARS: BF CYGNI

FIELD CENTER: $19^{\text{h}}21^{\text{m}}54.8^{\text{s}}$ $29^{\circ}34'29''$ (B1950)
 $19^{\text{h}}23^{\text{m}}53.0^{\text{s}}$ $29^{\circ}40'24''$ (J2000)
 $l: 62.93$ $b: 6.70$

DATE: 1979/202 - 1979/291
 LIVETIME: 4418.2s

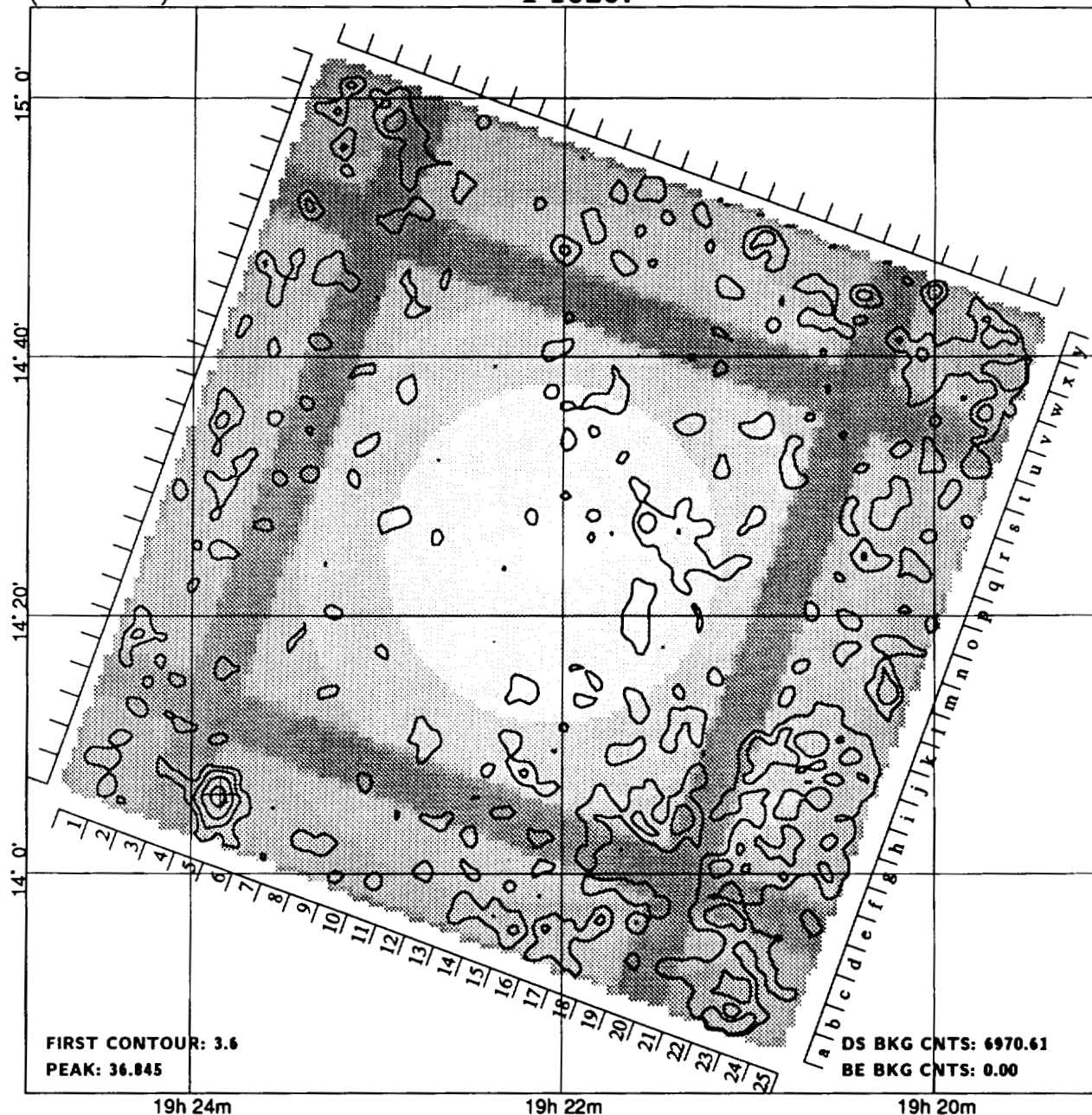
NH: $2.3\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4238	1	19 20 26.0	29 44 38	52	0.0106	0.0026	23.0	10.0	4.0	0.8	0	22.3	H	

(19h 21m)

I 10267

(19h 21m)



FIELD CENTER: $19^{\text{h}}21^{\text{m}}59.8^{\text{s}}$ $14^{\circ}24'59''$ (B1950)
 $19^{\text{h}}24^{\text{m}}17.5^{\text{s}}$ $14^{\circ}30'55''$ (J2000)
 $l: 49.56$ $b: -0.50$

DATE: 1981/ 97 - 1981/ 97
 LIVETIME: 5648.5s
 ROLL ANGLE: -70.1°

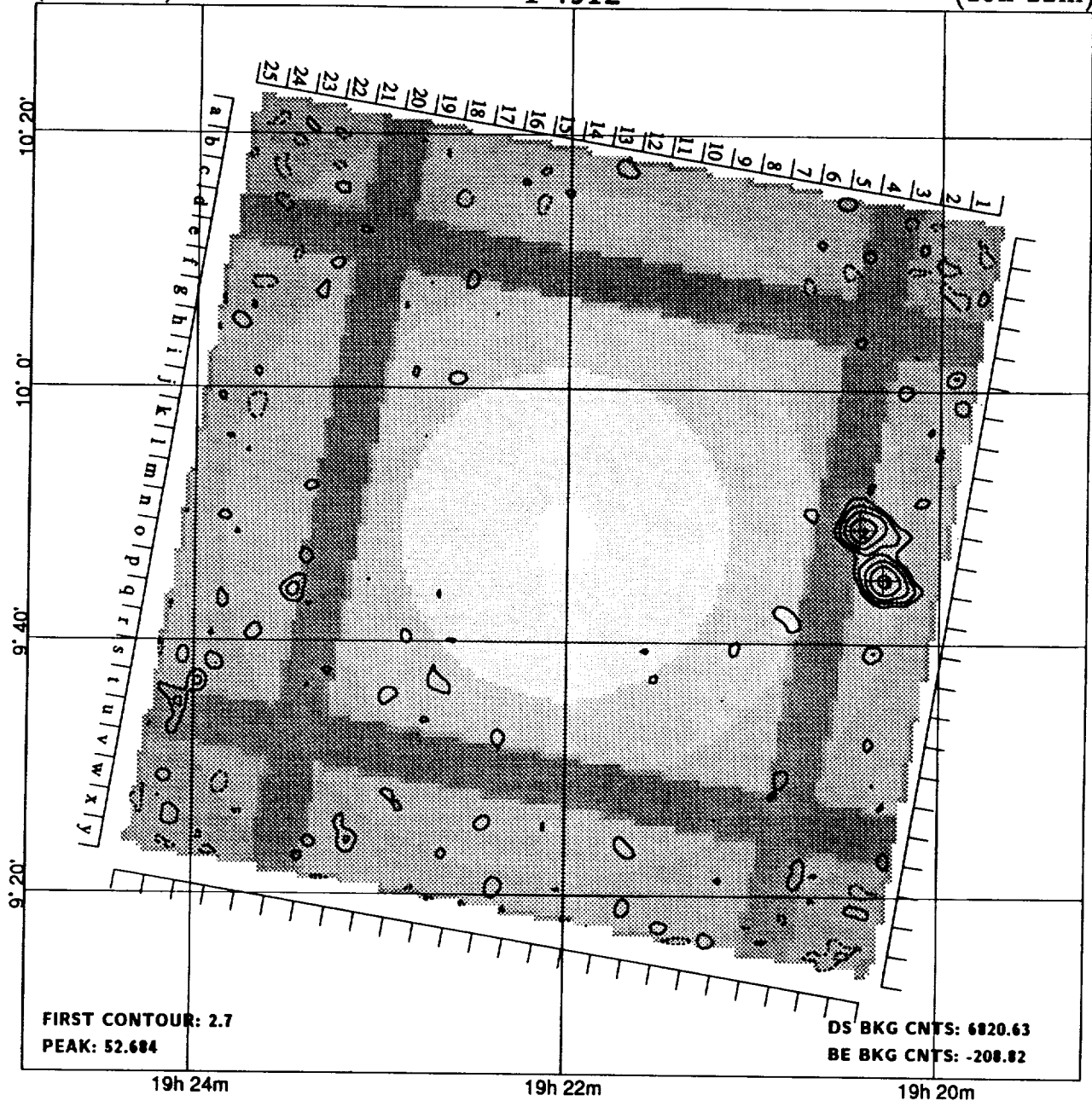
NH: $1.3\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4249	1L	19 23 50.7	14 06 06	50	*0.0273	0.0059	55.0	23.7	4.6	1.6	501	32.7	AI	S

(19h 22m)

I 4912

(19h 22m)



SYMBIOTIC STARS: VY 2-2

FIELD CENTER: 19^h22^m02.8^s 09°47'59" (B1950)
 19^h24^m25.8^s 09°53'56" (J2000)
 l : 45.50 b : -2.72

DATE: 1979/291 - 1979/291
 LIVETIME: 5526.9s
 ROLL ANGLE: 99.5°

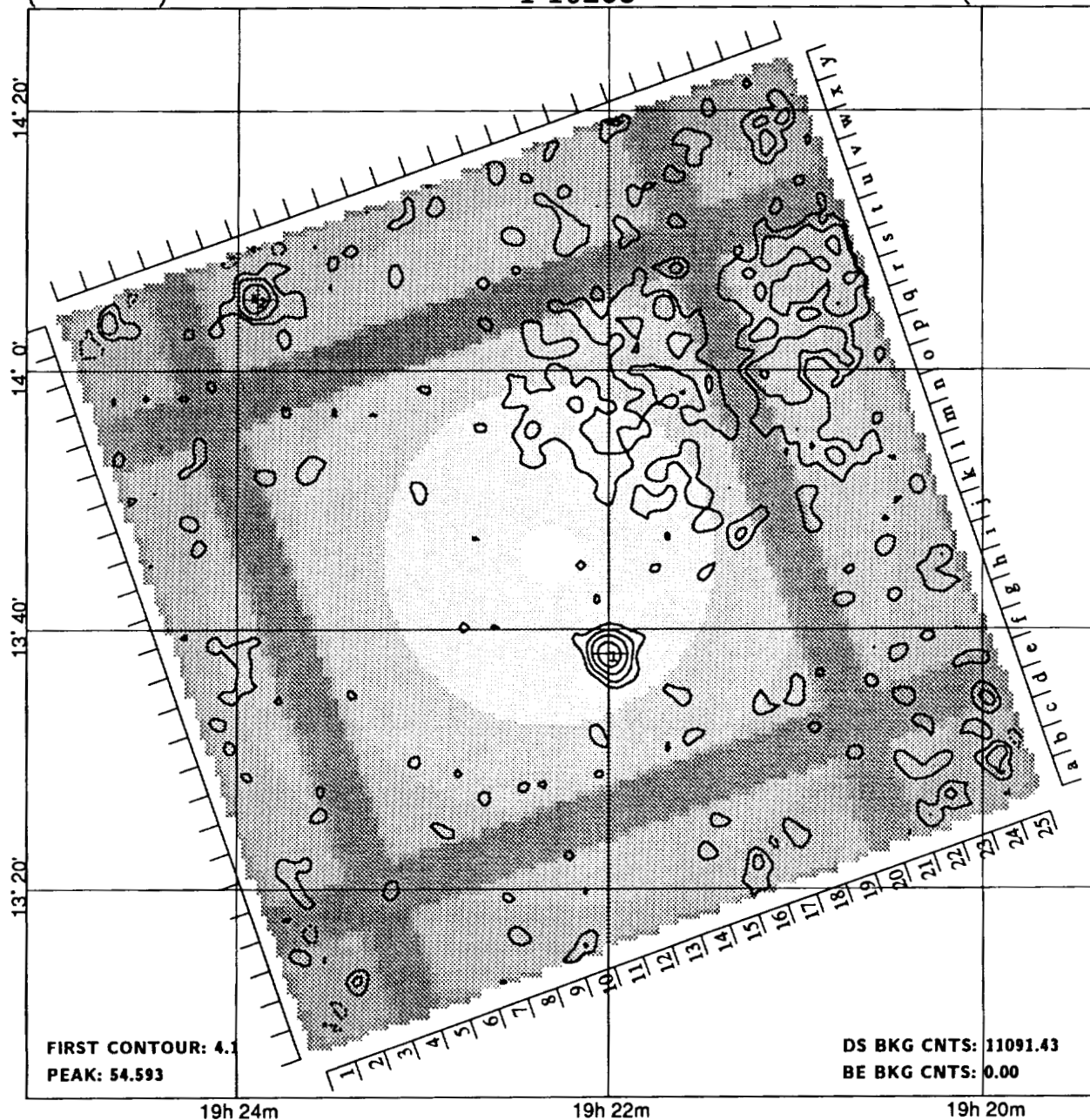
NH: 7.3E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4236	1	19 20 18.3	09 45 08	48	0.0485	0.0048	113.8	11.2	10.2	2.1	300	25.9	H
4237	2	19 20 25.7	09 49 04	48	*0.0366	0.0040	92.3	8.7	9.2	2.7	1009	23.9	H

(19h 22m)

I 10268

(19h 22m)



FIELD CENTER: $19^{\text{h}}22^{\text{m}}14.8^{\text{s}}$ $13^{\circ}45'59''$ (B1950)
 $19^{\text{h}}24^{\text{m}}33.2^{\text{s}}$ $13^{\circ}51'56''$ (J2000)
 $l: 49.02$ $b: -0.87$

DATE: 1981/112 - 1981/112
 LIVETIME: 8987.7s
 ROLL ANGLE: -109.4°

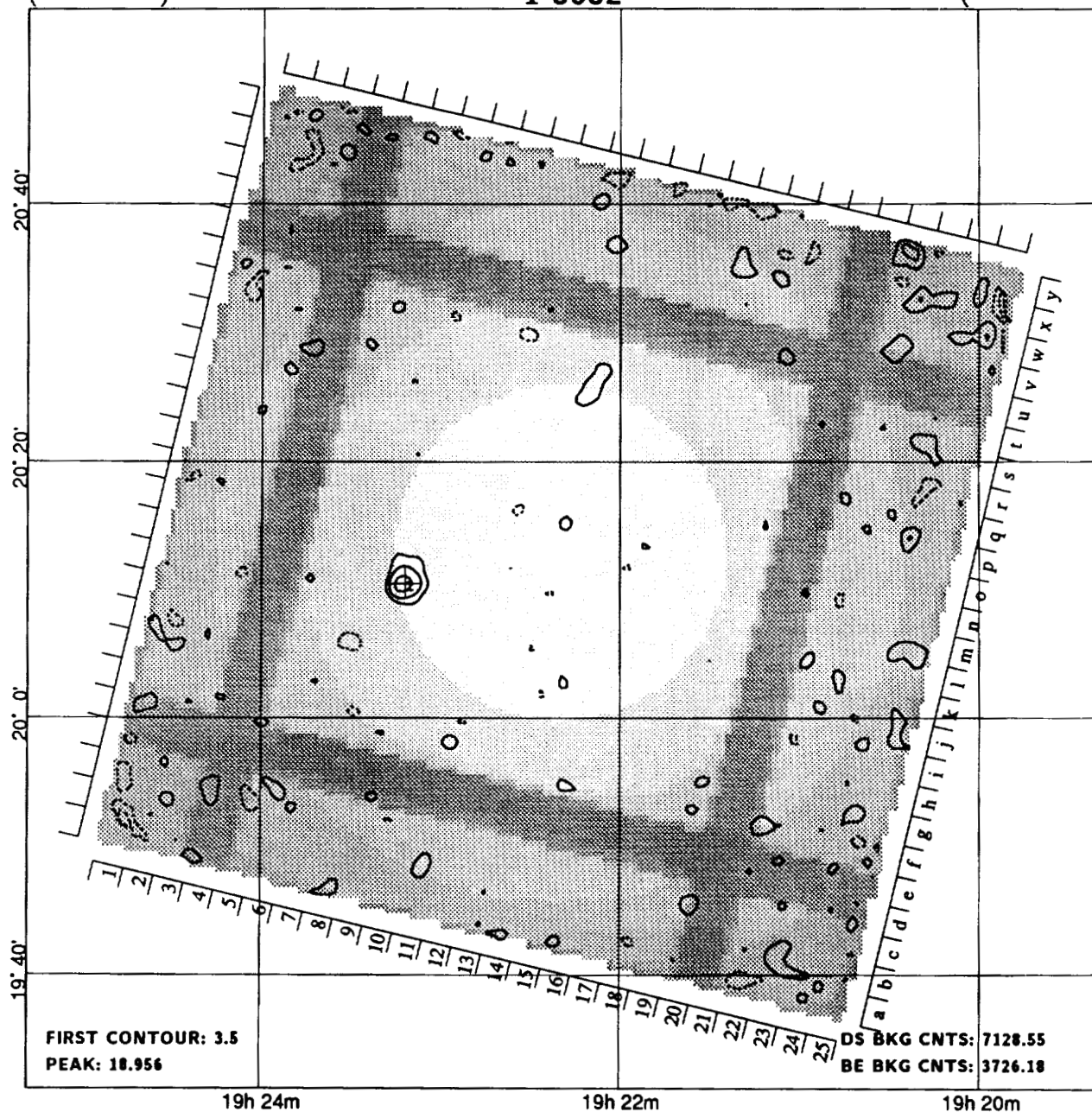
NH: $1.2\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4246	1L	19 21 59.9	13 38 06	38	0.0310	0.0029	188.6	44.4	10.6	1.2	0	8.8		
4249	2L	19 23 53.6	14 05 28	50	0.0190	0.0034	59.0	22.0	5.4	1.3	0	30.9	A	S

(19h 22m)

I 8682

(19h 22m)



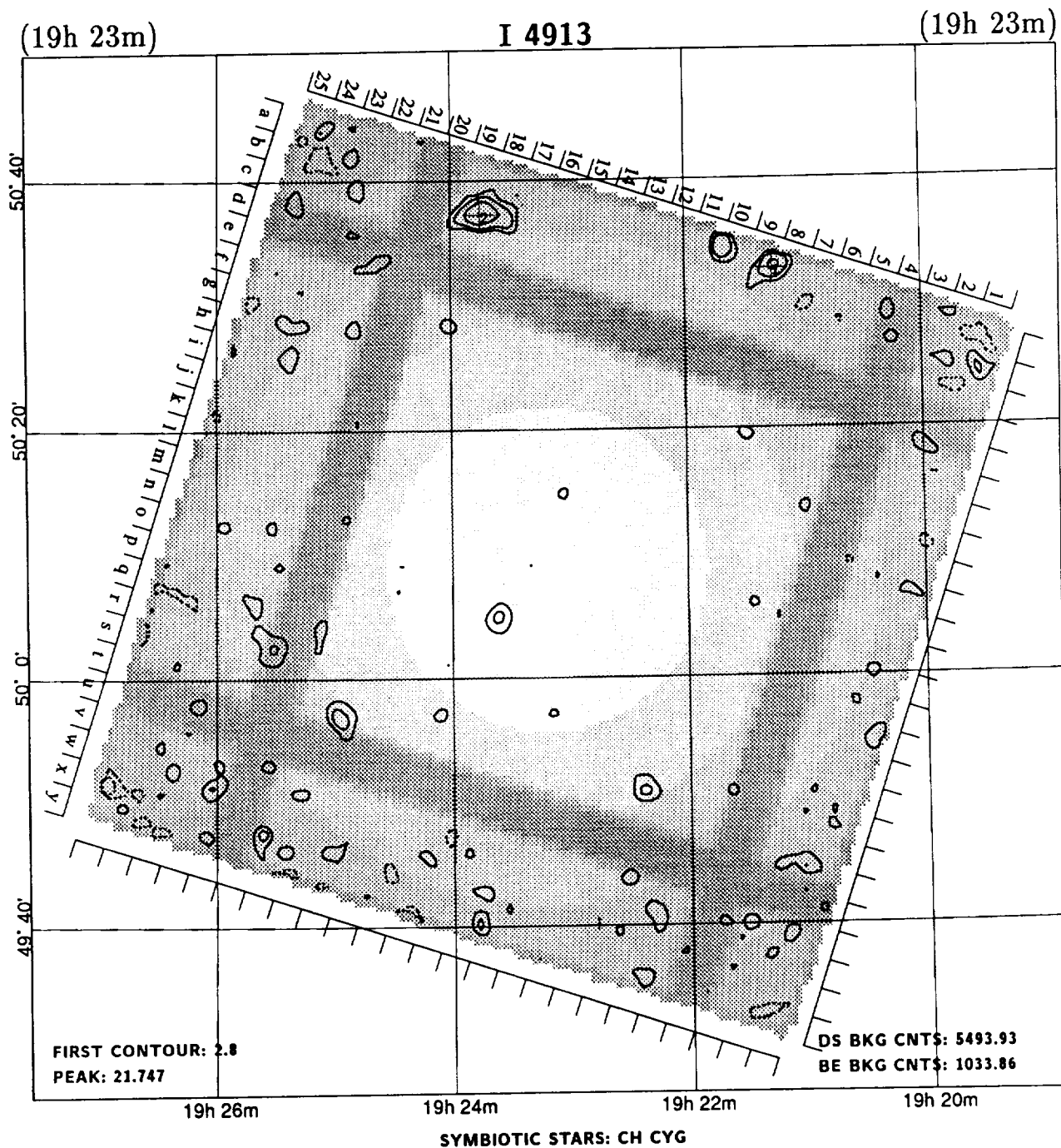
SOURCE POSITION 2, COS-B GAMMA RAY SOURCES

FIELD CENTER: $19^h 22^m 18.8^s$ $20^\circ 13' 11''$ (B1950)
 $19^h 24^m 29.5^s$ $20^\circ 19' 08''$ (J2000)
 $l: 54.70$ $b: 2.20$

DATE: 1981/100 - 1981/100
 LIVETIME: 5776.5s
 ROLL ANGLE: -76.6°

NH: $8.4E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4247	1L	19 23 12.0	20 10 33	41	0.0142	0.0030	52.1	29.9	4.7	1.1	0	12.8	S

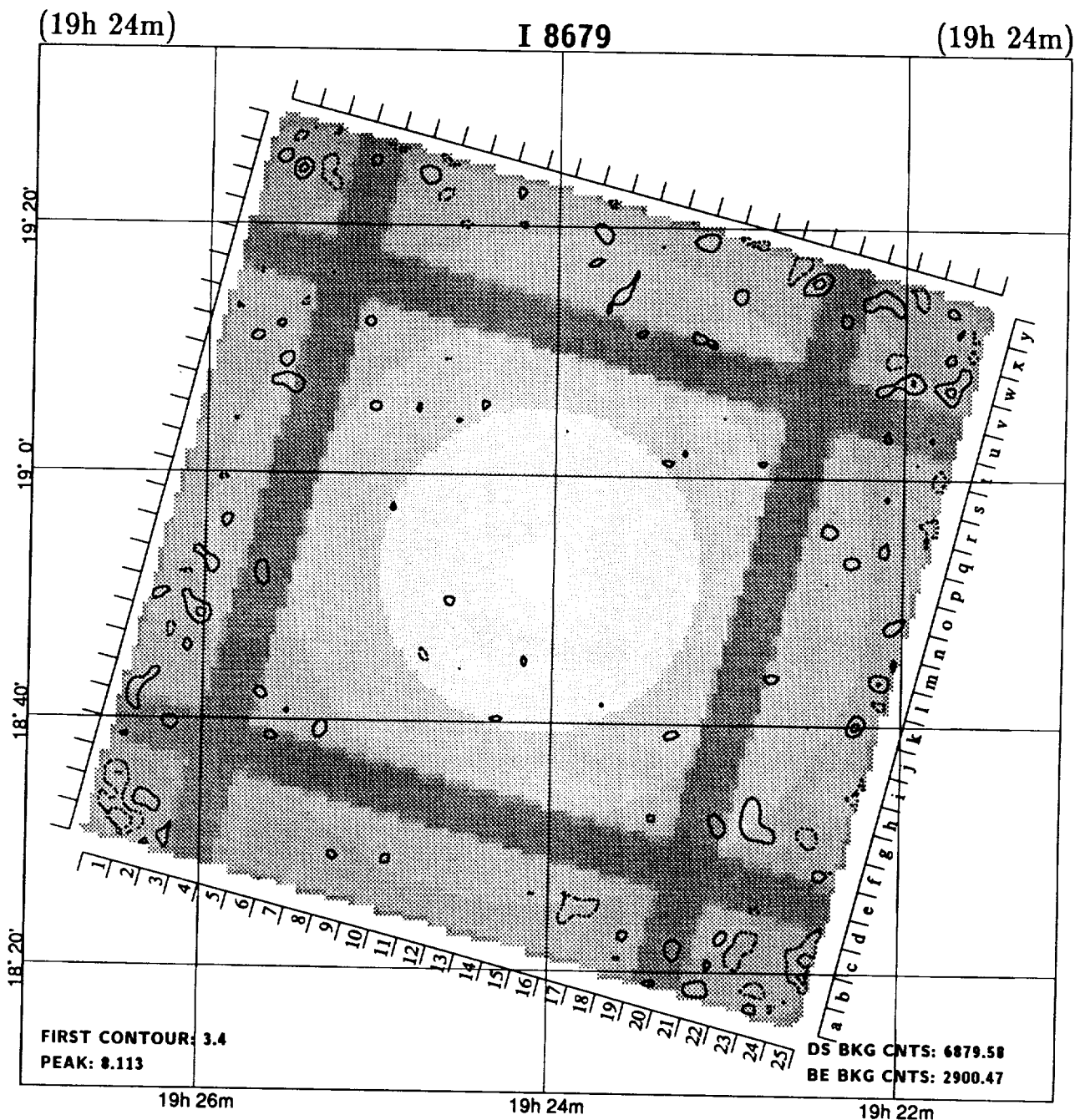


FIELD CENTER: $19^h 23^m 13.8^s$ $50^\circ 08' 29''$ (B1950)
 $19^h 24^m 32.7^s$ $50^\circ 14' 28''$ (J2000)
 $l: 81.86$ $b: 15.58$

DATE: 1979/302 - 1979/302
 LIVETIME: 4451.9s
 ROLL ANGLE: 107.9°

NH: $7.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4243	1	19 21 15.4	50 32 44	55	*0.0130	0.0034	19.7	7.3	3.8	0.9	501	30.8	H	
4248	2	19 23 44.8	50 37 13	50	0.0252	0.0044	41.1	9.9	5.8	1.2	0	29.4	H	



FIELD CENTER: $19^{\text{h}}24^{\text{m}}02.2^{\text{s}}$ $18^{\circ}52'11''$ (B1950)
 $19^{\text{h}}26^{\text{m}}14.7^{\text{s}}$ $18^{\circ}58'15''$ (J2000)
 $l: 53.70$ $b: 1.20$

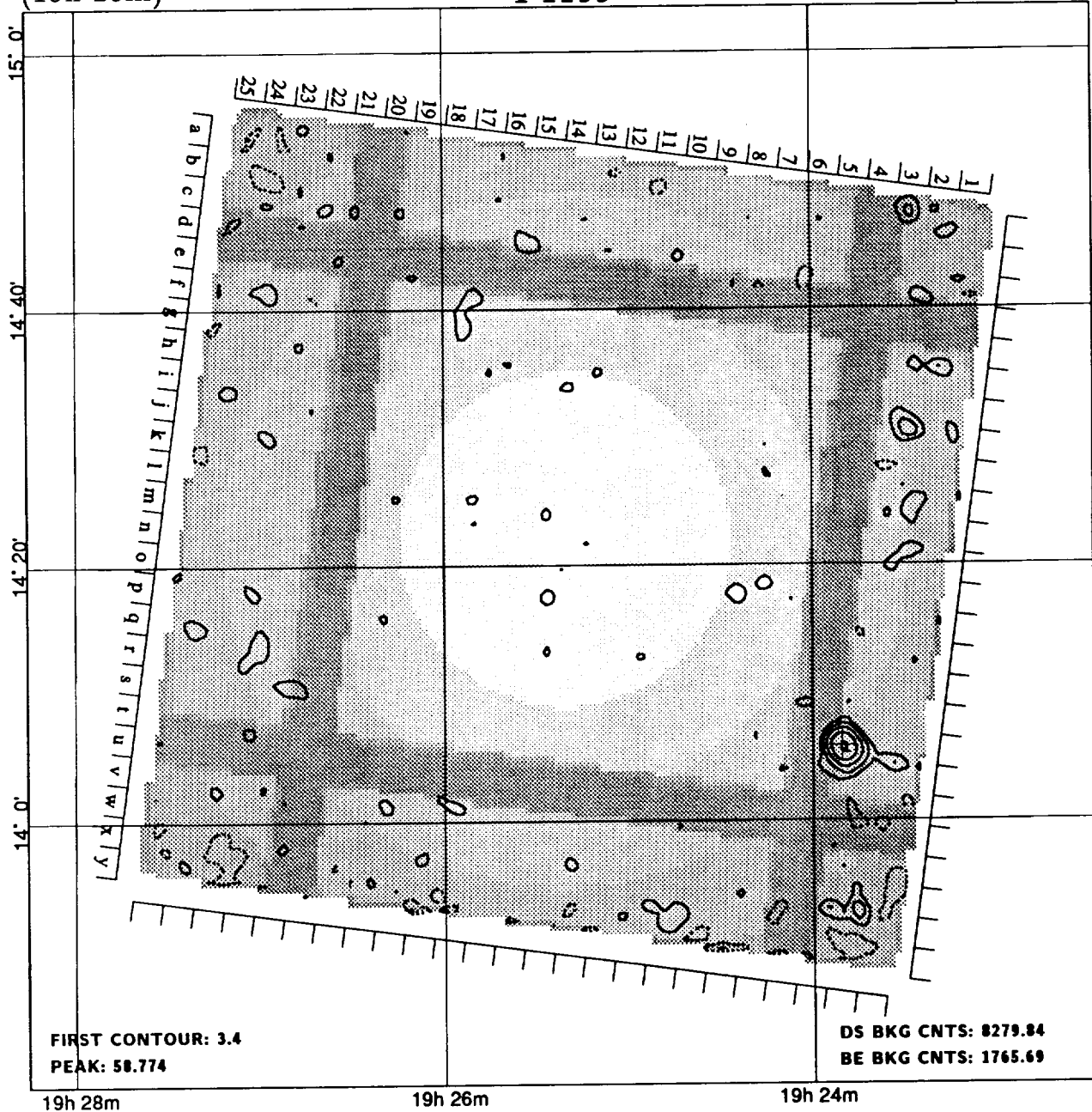
DATE: 1981/ 99 - 1981/ 99
LIVETIME: 5574.7s
ROLL ANGLE: -75.5°

NH: $1.1\text{E}+22$
REF/ID:
FIELD FLAGS: L

(19h 25m)

I 1199

(19h 25m)



BINARY PULSAR GALACTIC PLANE SURVEY

FIELD CENTER: $19^{\text{h}}25^{\text{m}}22.3^{\text{s}}$ $14^{\circ}21'30''$ (B1950)
 $19^{\text{h}}27^{\text{m}}40.2^{\text{s}}$ $14^{\circ}27'40''$ (J2000)
 $l: 49.90$ $b: -1.25$

DATE: 1979/294 - 1979/294
 LIVETIME: 6709.4s
 ROLL ANGLE: 97.7°

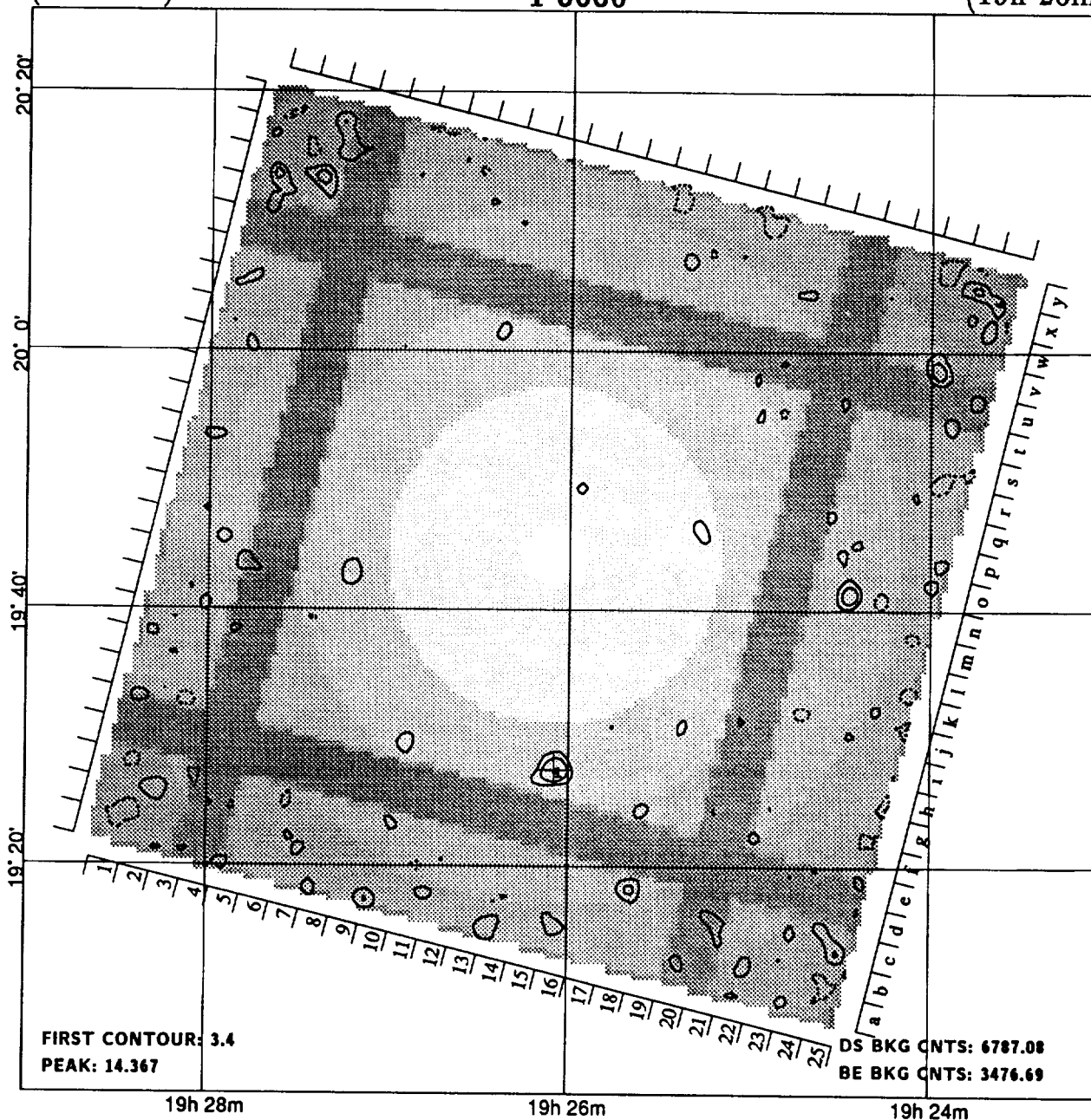
NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4249	1	19 23 50.6	14 05 50	48	*0.0424	0.0042	113.3	14.7	10.0	1.1	906	27.0	AH	S

(19h 26m)

I 8680

(19h 26m)



SOURCE POSITION 2, COS-B GAMMA RAY SOURCES

FIELD CENTER: $19^h 26^m 01.8^s$ $19^\circ 44' 23''$ (B1950)
 $19^h 28^m 13.2^s$ $19^\circ 50' 35''$ (J2000)
 ℓ : 54.69 b : 1.20

DATE: 1981/ 99 - 1981/100
 LIVETIME: 5499.8s
 ROLL ANGLE: -76.2°

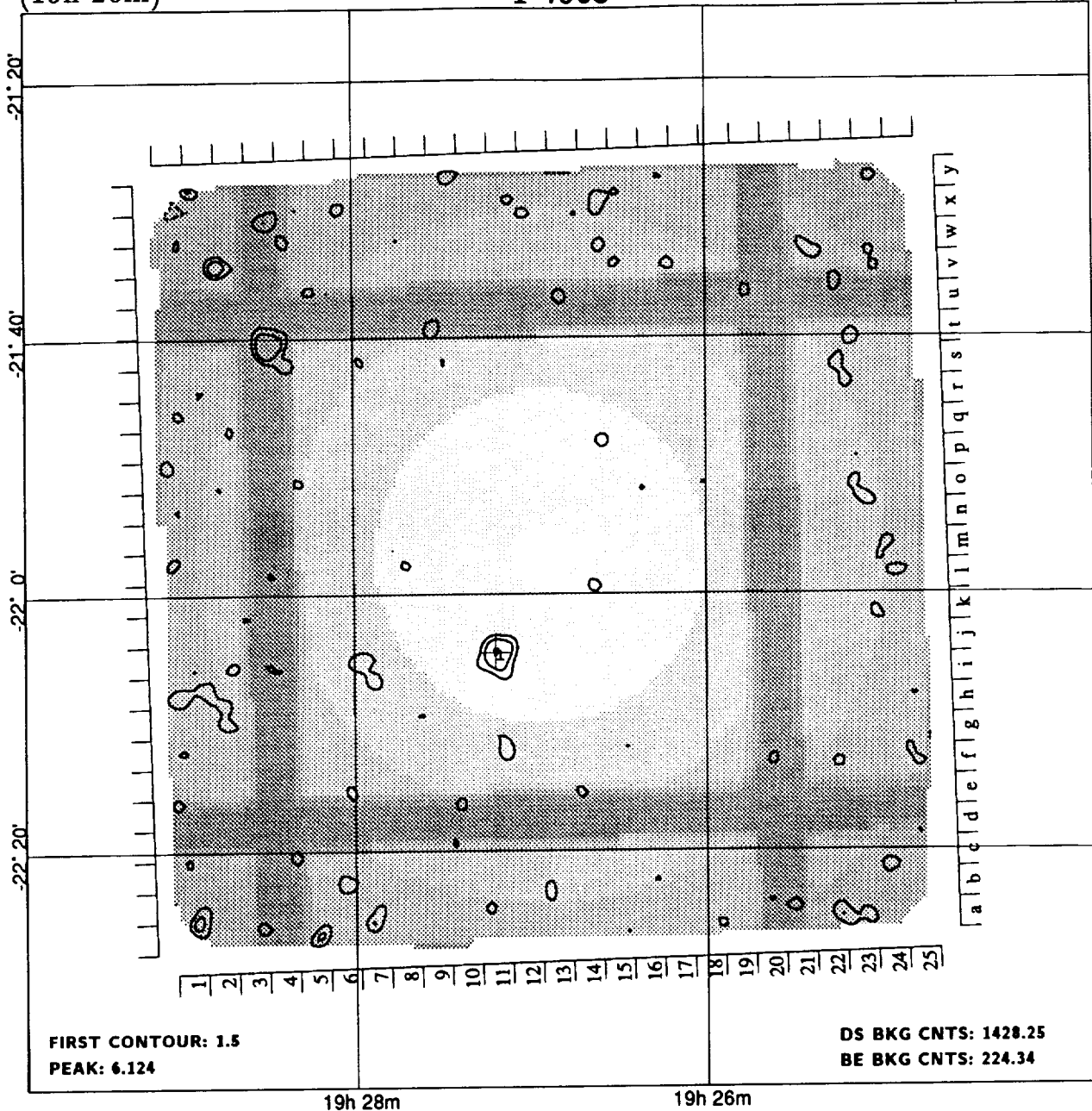
NH: $1.0E+22$
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4250	1L	19 26 04.7	19 27 29	51	0.0122	0.0028	38.0	17.0	4.2	0.8	100	17.0	*

(19h 26m)

I 4065

(19h 26m)



STAR SAO 188205, GYRO TEST

FIELD CENTER: $19^h 26^m 50.3^s$ $-21^\circ 56' 23''$ (B1950)
 $19^h 29^m 49.0^s$ $-21^\circ 50' 07''$ (J2000)
 $l: 17.05$ $b: -17.90$

DATE: 1979/101 - 1979/101
 LIVETIME: 1157.3s
 ROLL ANGLE: -91.6°

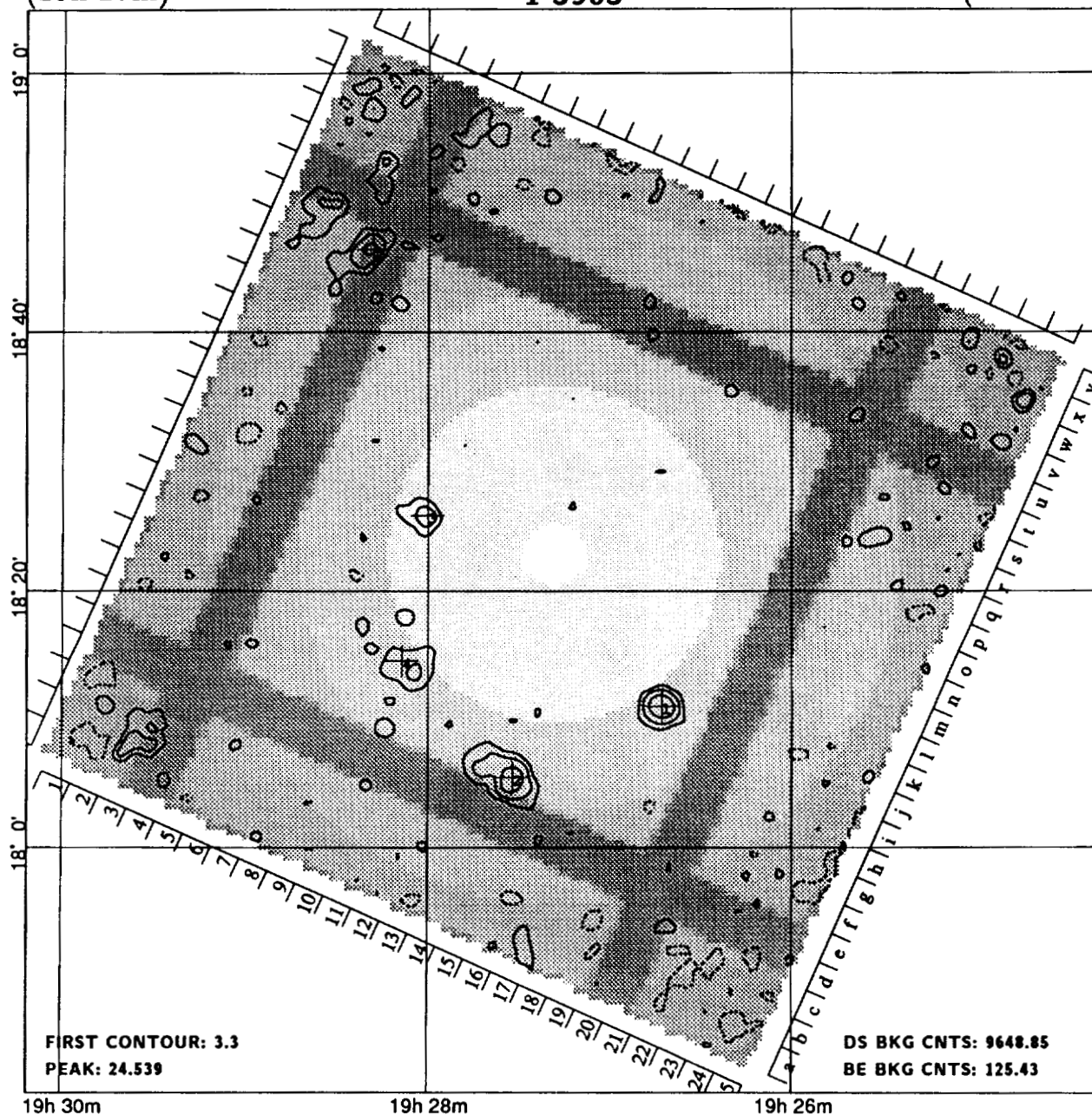
NH: $6.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4252	1	19 27 11.8	-22 04 28	42	0.0271	0.0064	21.4	4.6	4.2	1.0	0	9.7	H	

(19h 27m)

I 5905

(19h 27m)



FIRST CONTOUR: 3.3
PEAK: 24.539

DS BKG CNTS: 9648.85
BE BKG CNTS: 125.43

SUPERNOVA REMNANT SURVEY: G53.9+0.3

FIELD CENTER: $19^{\text{h}}27^{\text{m}}14.8^{\text{s}}$ $18^{\circ}22'59''$ (B1950)
 $19^{\text{h}}29^{\text{m}}27.9^{\text{s}}$ $18^{\circ}29'16''$ (J2000)
 $l: 53.64$ $b: 0.30$

DATE: 1980/128 - 1980/128
LIVETIME: 8099.5s
ROLL ANGLE: -66.0°

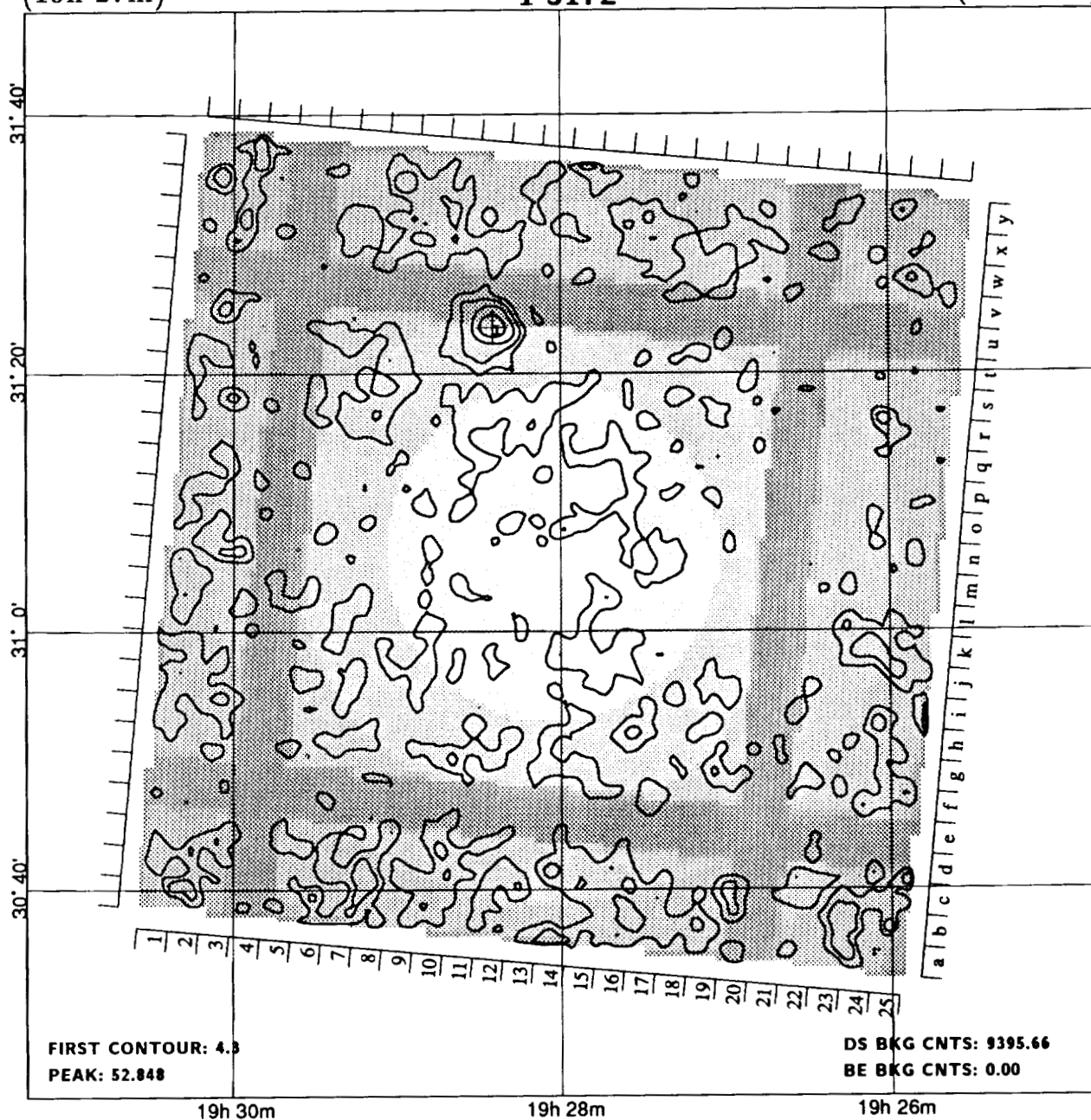
NH: $1.2\text{E}+22$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4251	1	19 26 42.8	18 11 00	39	0.0154	0.0020	74.9	19.1	7.7	0.9	0	14.1	H	
4253	2	19 27 32.0	18 05 25	50	*0.0152	0.0021	67.5	15.5	7.4	1.5	501	17.9	H	
4254	3	19 28 00.2	18 25 50	42	0.0053	0.0013	28.1	18.9	4.1	0.9	0	11.2	H	
4255	4	19 28 08.6	18 14 29	48	0.0050	0.0014	24.1	19.9	3.6	1.4	0	15.0	H	
4258	5	19 28 18.3	18 46 23	54	*0.0094	0.0020	29.6	11.4	4.6	1.2	1108	28.0	H	

(19h 27m)

I 3172

(19h 27m)



GKP SNR IN CYGNUS

FIELD CENTER: $19^{\text{h}}27^{\text{m}}59.8^{\text{s}}$ $31^{\circ}05'59''$ (B1950)
 $19^{\text{h}}29^{\text{m}}56.2^{\text{s}}$ $31^{\circ}12'19''$ (J2000)
 ℓ : 64.90 b : 6.26

DATE: 1979/101 - 1979/101
 LIVETIME: 7613.6s
 ROLL ANGLE: -84.7°

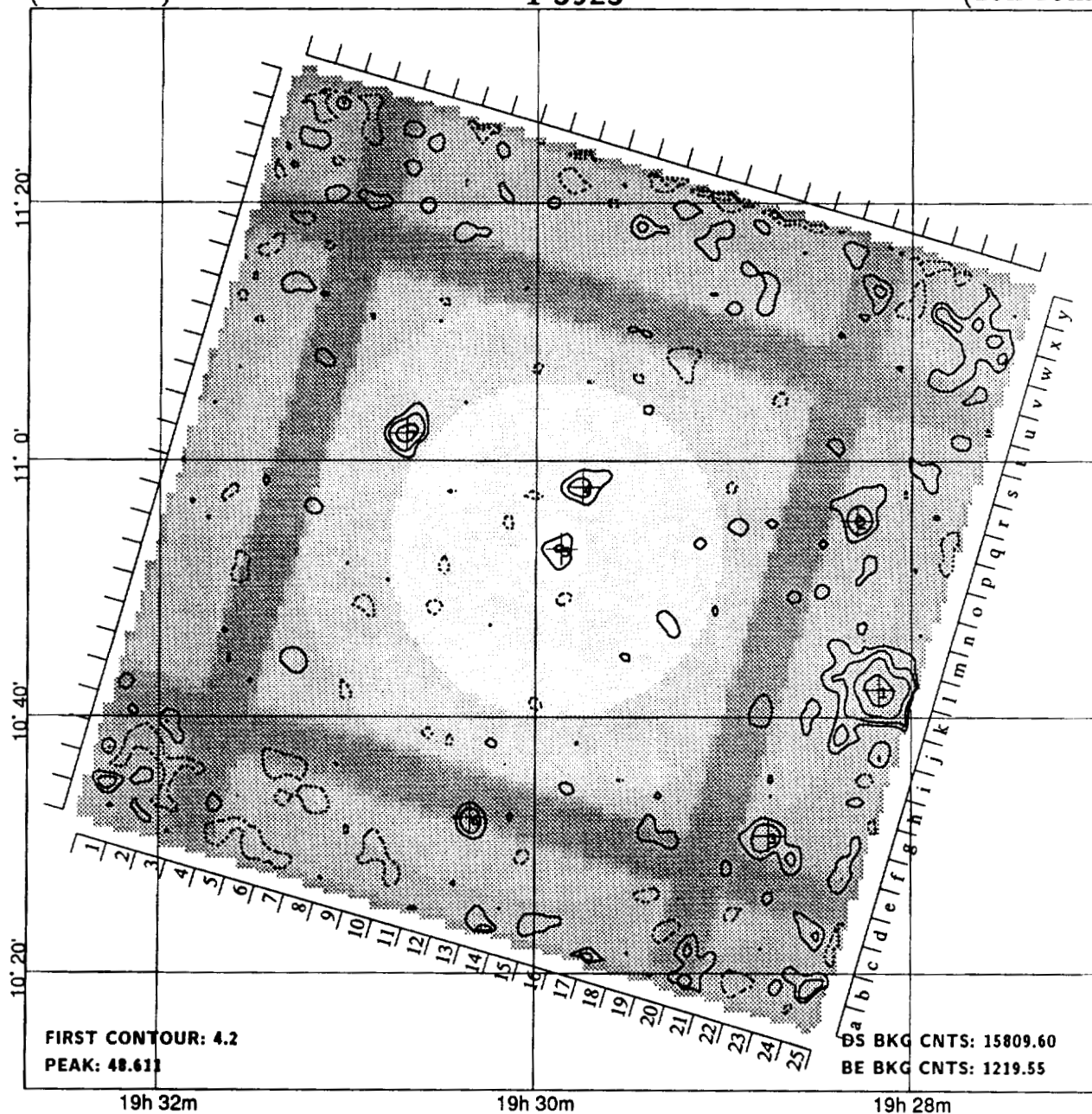
NH: $2.7\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4259	1L	19 28 25.1	31 23 33	48	*0.0389	0.0055	160.7	49.9	6.9	1.6	804	18.3		

(19h 29m)

I 5923

(19h 29m)



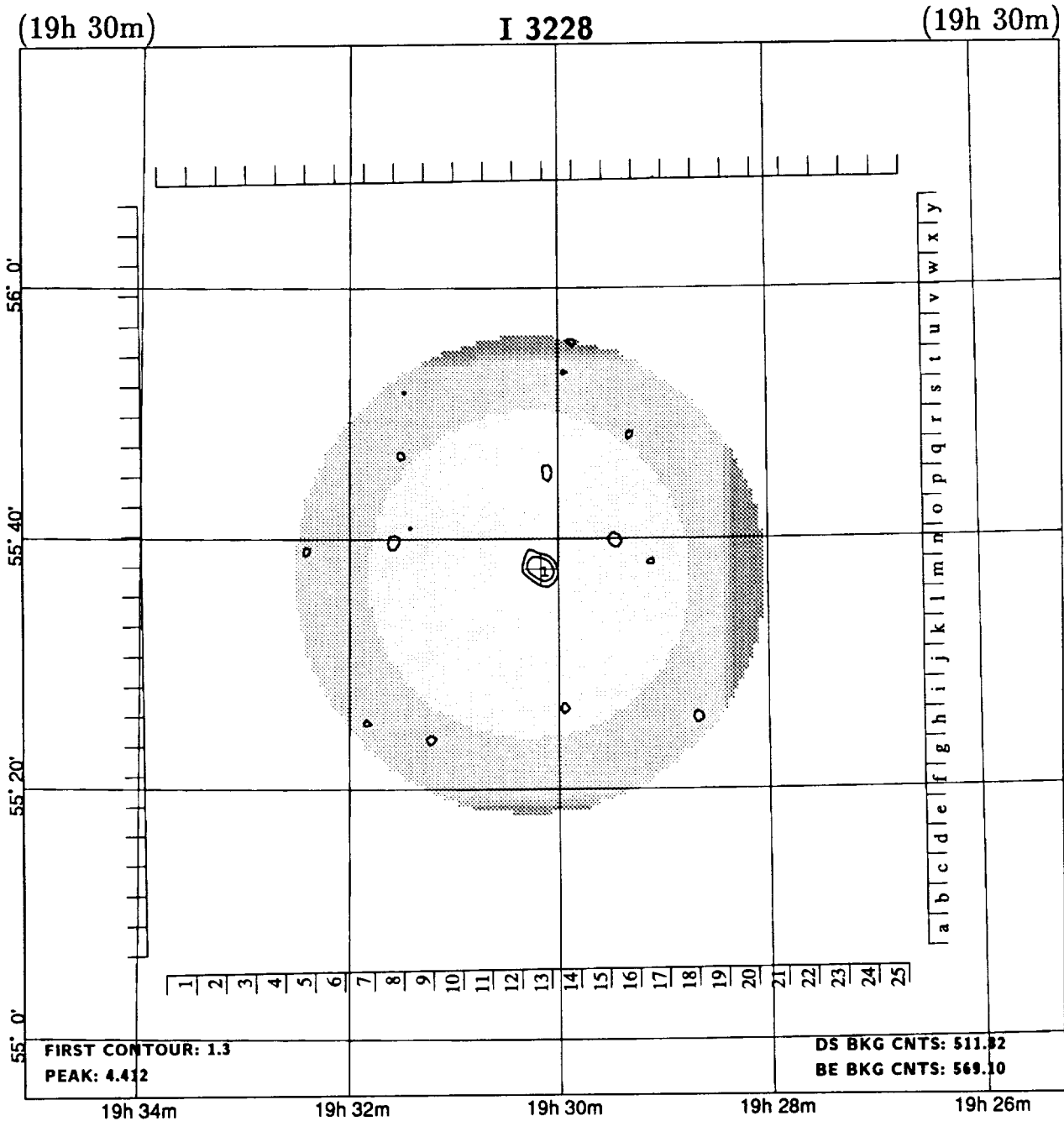
RADIO PULSAR PROJECT:

FIELD CENTER: $19^h 29^m 50.8^s$ $10^\circ 53' 02''$ (B1950)
 $19^h 32^m 12.7^s$ $10^\circ 59' 30''$ (J2000)
 ℓ : 47.38 b : -3.88

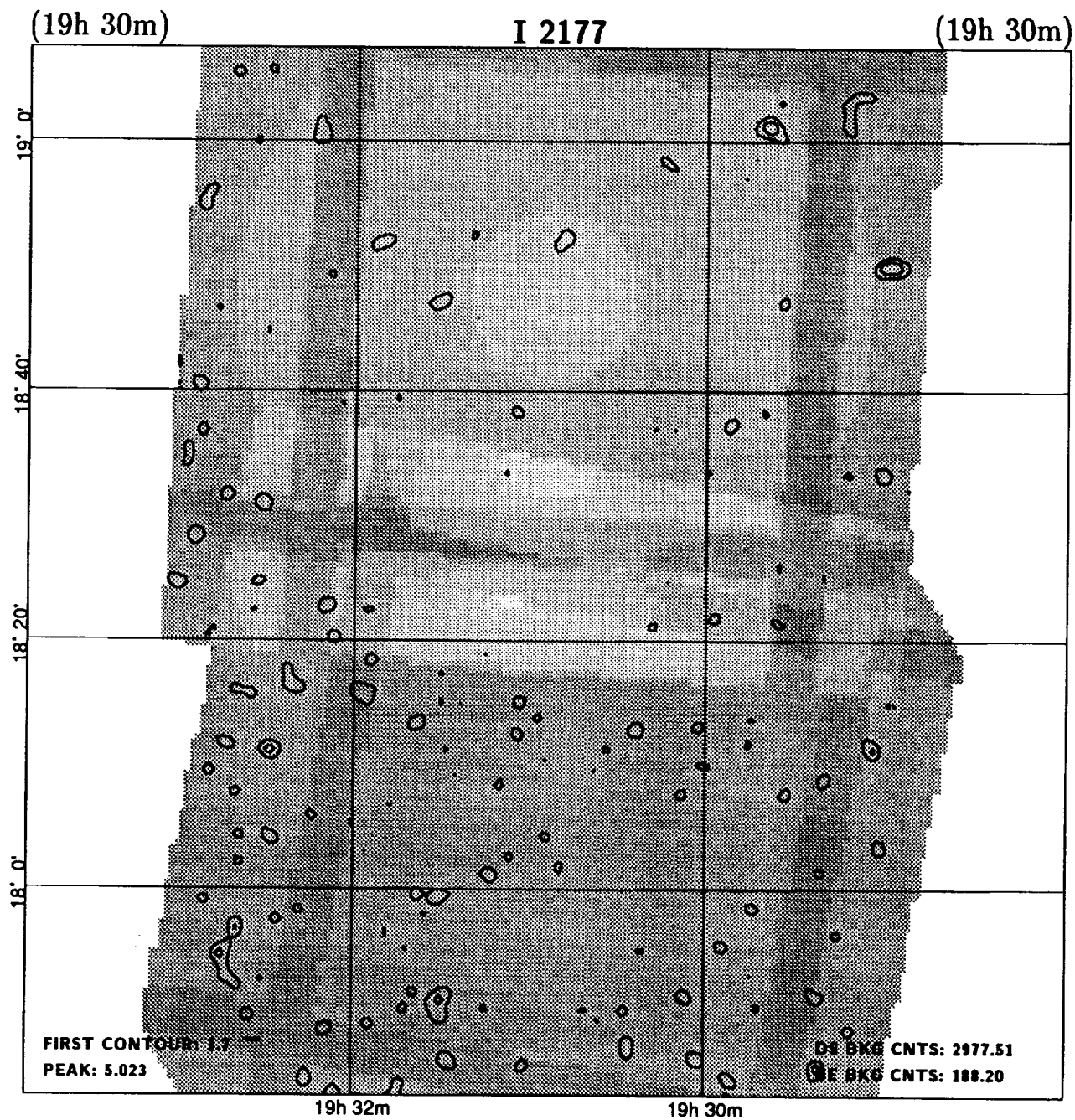
DATE: 1980/124 - 1980/124
 LIVETIME: 12810.9s
 ROLL ANGLE: -73.8°

NH: 3.7E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE \pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4256	1	19 28 10.3	10 42 08	48	0.0237 0.0024	118.0	28.0	9.8	2.3	0	26.6	H	*
4257	2	19 28 17.3	10 55 22	51	0.0069 0.0014	39.7	28.3	4.8	1.2	200	22.9	H	
4260	3	19 28 45.3	10 30 51	55	0.0070 0.0016	34.8	31.2	4.3	1.2	700	27.0	H	
4261	4	19 29 45.1	10 57 57	41	0.0048 0.0010	43.3	42.7	4.7	1.0	0	5.0	H	
4262	5	19 29 51.9	10 53 11	36	0.00336 0.00090	32.1	41.9	3.7	0.7	0	0.6		
4264	6	19 30 20.9	10 32 17	51	*0.0052 0.0012	32.3	23.7	4.3	0.7	1008	21.9		
4265	7	19 30 41.5	11 02 08	50	0.0094 0.0013	71.5	33.5	7.0	1.0	0	15.7	H	*



CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R' 0.2	SRC FLG	ID
4263	1L	19 30 10.2	55 37 36	37	0.076	0.018	23.5	0.5	4.2	0.8	0	0.2		CV



X-RAY STUDY OF SUPERNOVA REMNANTS: HC40=G54.4-0.3

FIELD CENTER: $19^{\text{h}}30^{\text{m}}53.9^{\text{s}}$ $18^{\circ}25'30''$ (B1950)
 $19^{\text{h}}33^{\text{m}}07.1^{\text{s}}$ $18^{\circ}32'01''$ (J2000)
 $l: 54.10$ $b: -0.44$

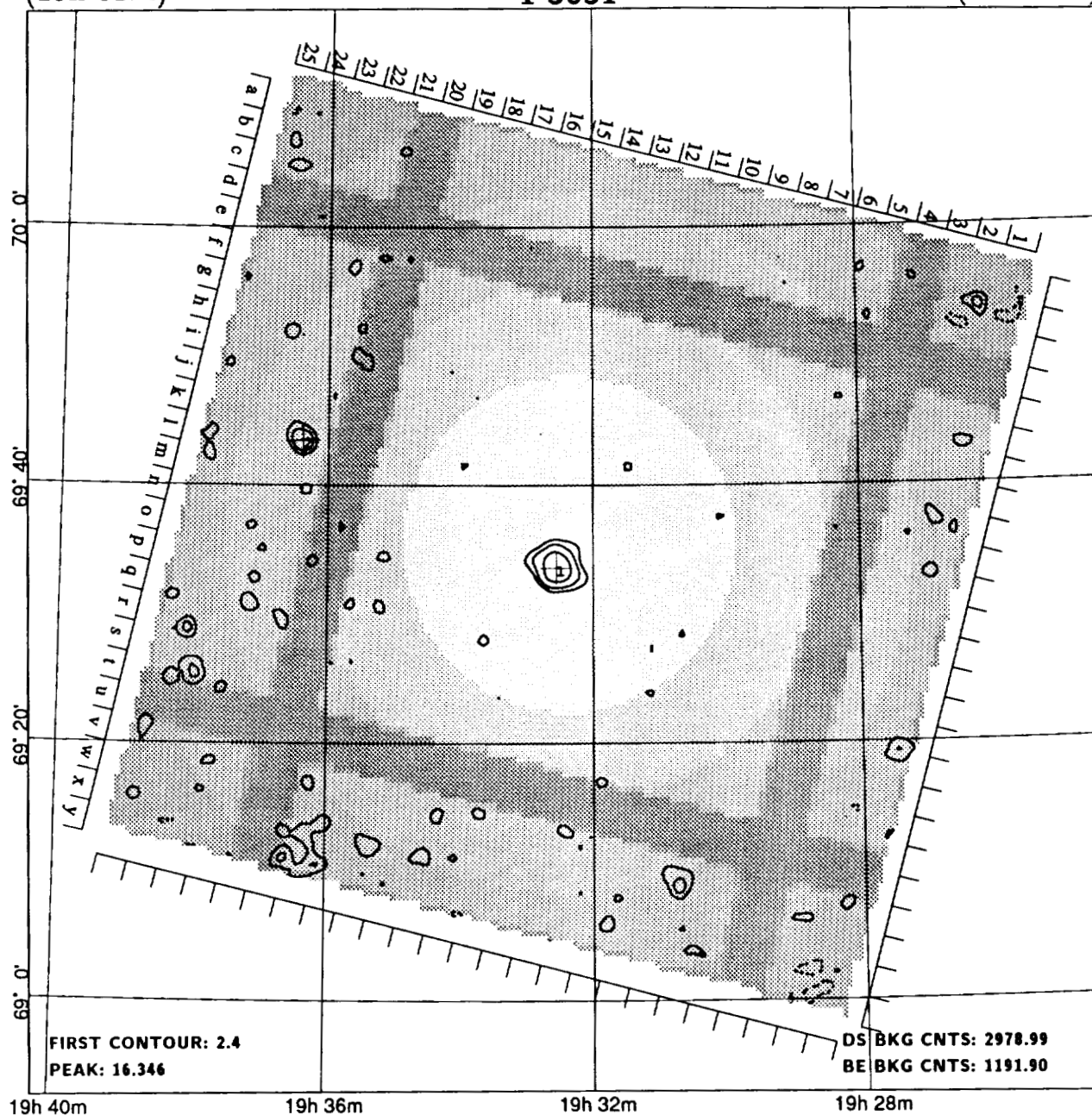
DATE: 1979/283 - 1979/293
 LIVETIME: 2412.8s

NH: $1.1\text{E}+22$
 REF/ID:
 FIELD FLAGS:

(19h 32m)

I 5631

(19h 32m)

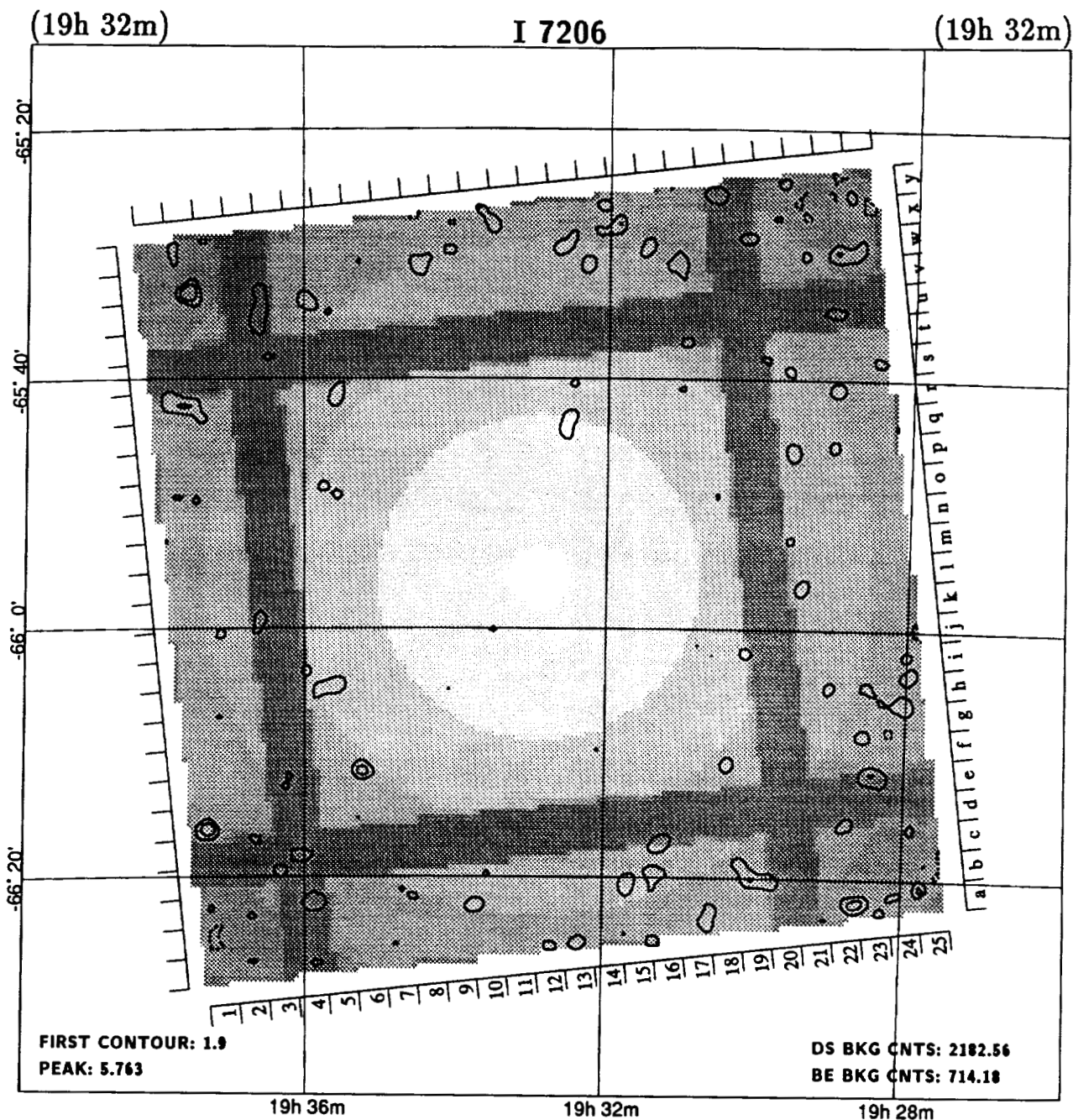


FIELD CENTER: $19^h 32^m 27.8^s$ $69^\circ 34' 59''$ (B1950)
 $19^h 32^m 16.1^s$ $69^\circ 41' 32''$ (J2000)
 $l: 101.33$ $b: 21.89$

DATE: 1979/302 - 1979/302
 LIVETIME: 2414.0s
 ROLL ANGLE: 104.3°

NH: $8.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4267	1	19 32 33.1	69 33 33	34	0.0449	0.0054	79.8	11.2	8.4	1.2	0	1.8	H
4273	2	19 36 23.1	69 43 28	52	0.0158	0.0045	18.0	8.0	3.5	0.7	100	21.9	

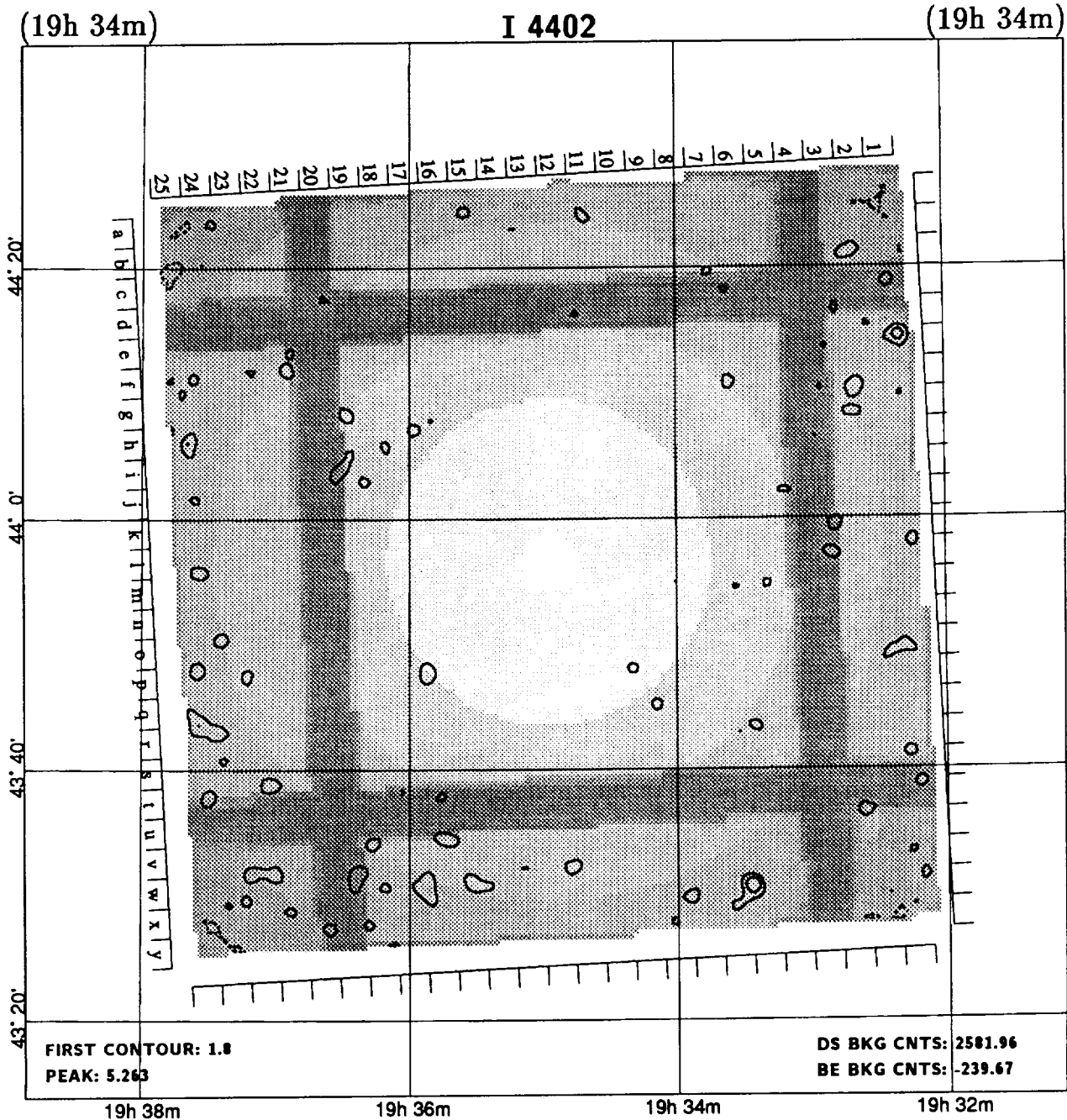


IC 4870, VARIABILITY OF TYPE 2 SEYFERTS

FIELD CENTER: $19^h 32^m 47.8^s$ $-65^\circ 55' 29''$ (B1950)
 $19^h 37^m 38.1^s$ $-65^\circ 48' 44''$ (J2000)
 l : 330.33 b : -29.27

DATE: 1980/111 - 1980/111
 LIVETIME: 1832.1s
 ROLL ANGLE: -96.3°

NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:



GAMMA RAY BURST SOURCE

FIELD CENTER: 19^h34^m59.8^s 43°55'59" (B1950)
19^h36^m34.6^s 44°02'46" (J2000)
ℓ: 77.02 *b*: 11.06

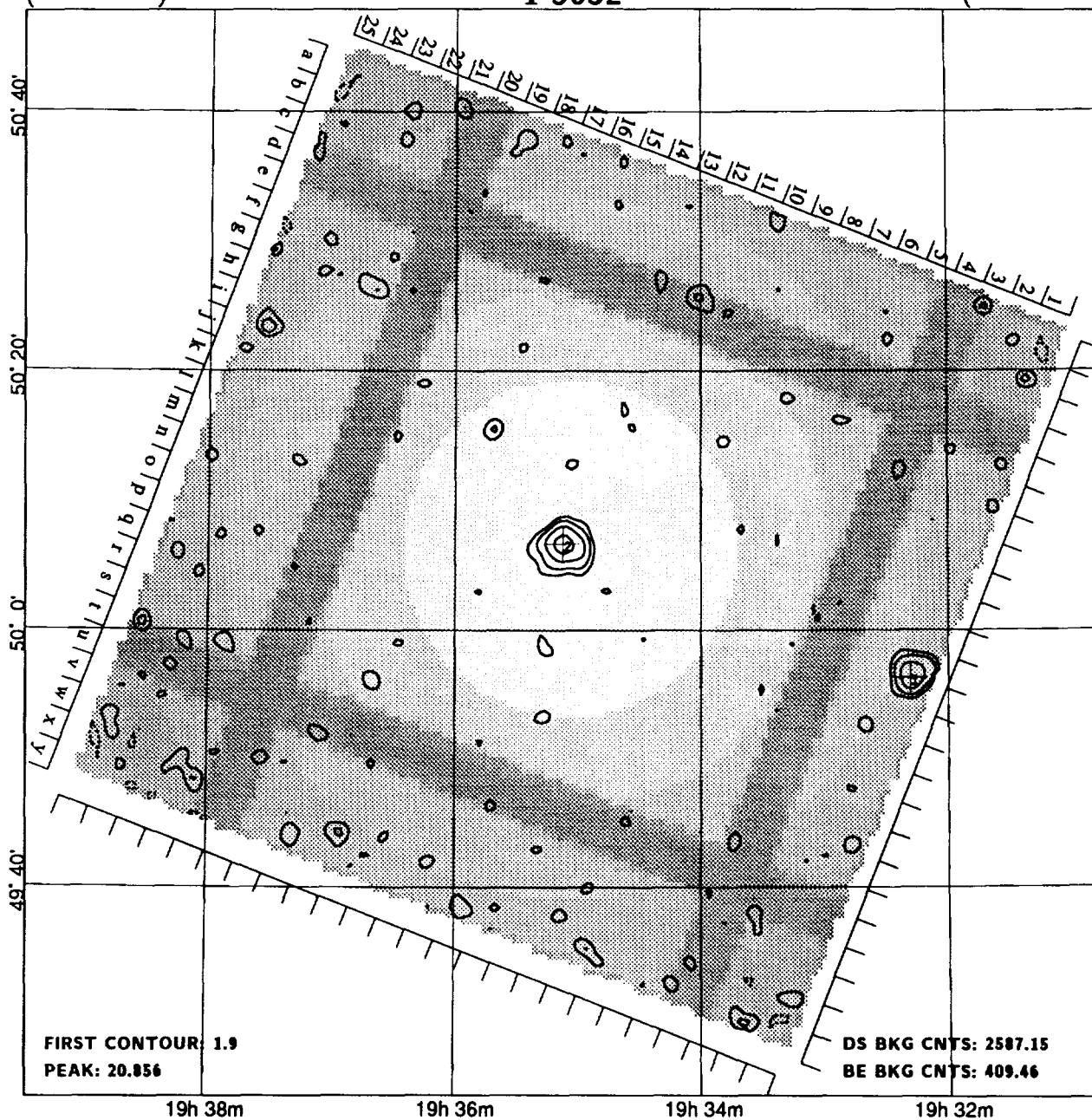
DATE: 1979/281 - 1979/281
LIVETIME: 2092.2s
ROLL ANGLE: 87.2°

NH: 1.3E+21
REF/ID:
FIELD FLAGS:

(19h 35m)

I 5632

(19h 35m)



FIELD CENTER: $19^{\text{h}}35^{\text{m}}06.8^{\text{s}}$ $50^{\circ}05'59''$ (B1950)
 $19^{\text{h}}36^{\text{m}}27.4^{\text{s}}$ $50^{\circ}12'46''$ (J2000)
 $l: 82.66$ $b: 13.84$

DATE: 1979/301 - 1979/301
 LIVETIME: 2096.4s
 ROLL ANGLE: 111.1°

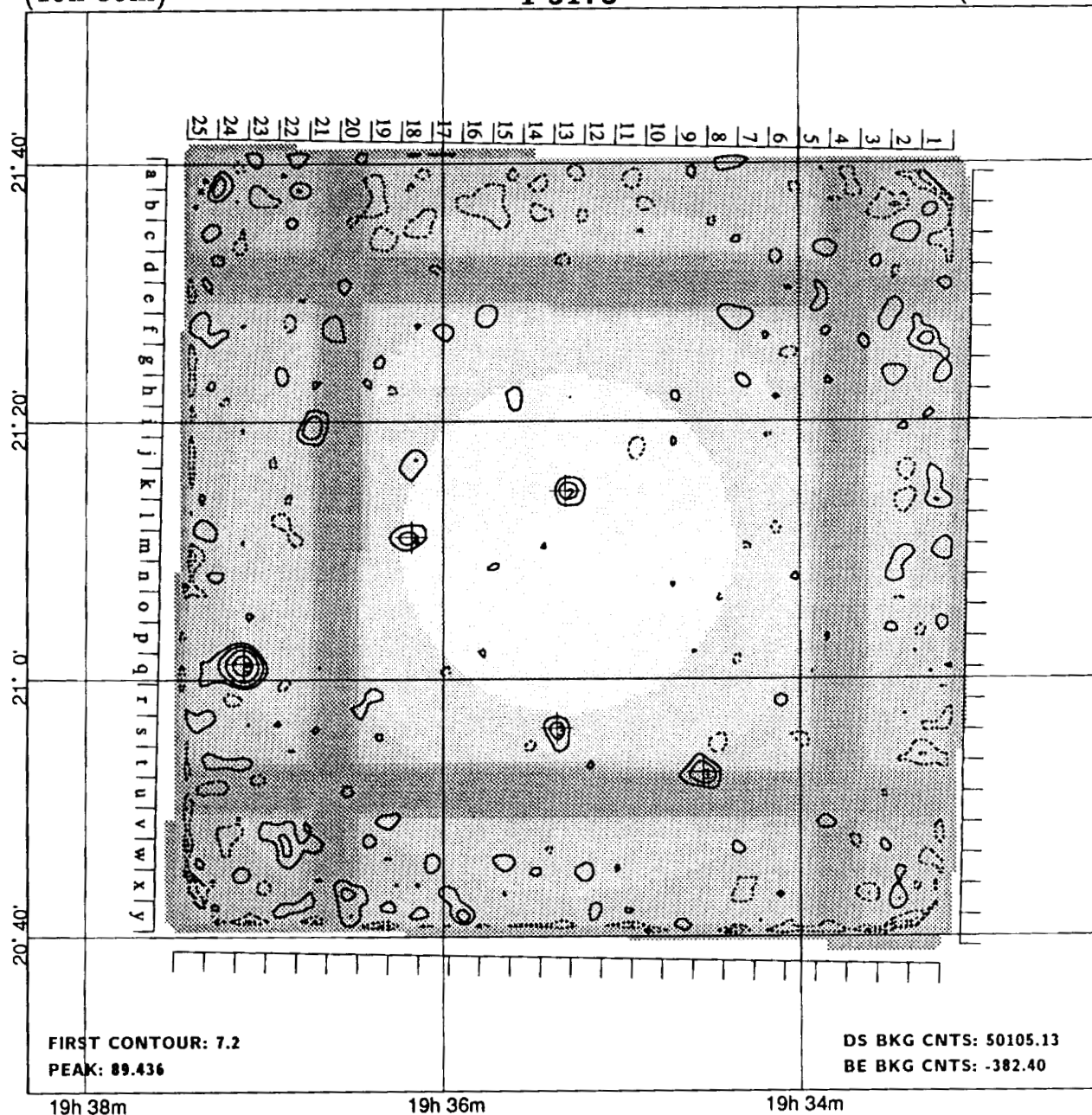
NH: $9.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4266	1	19 32 18.4	49 56 14	51	0.0341	0.0071	27.1	4.9	4.8	1.1	300	28.8	H S	
4269	2	19 35 07.3	50 06 41	31	0.0575	0.0063	89.7	8.3	9.1	1.3	0	0.4	H S	

(19h 35m)

I 5175

(19h 35m)



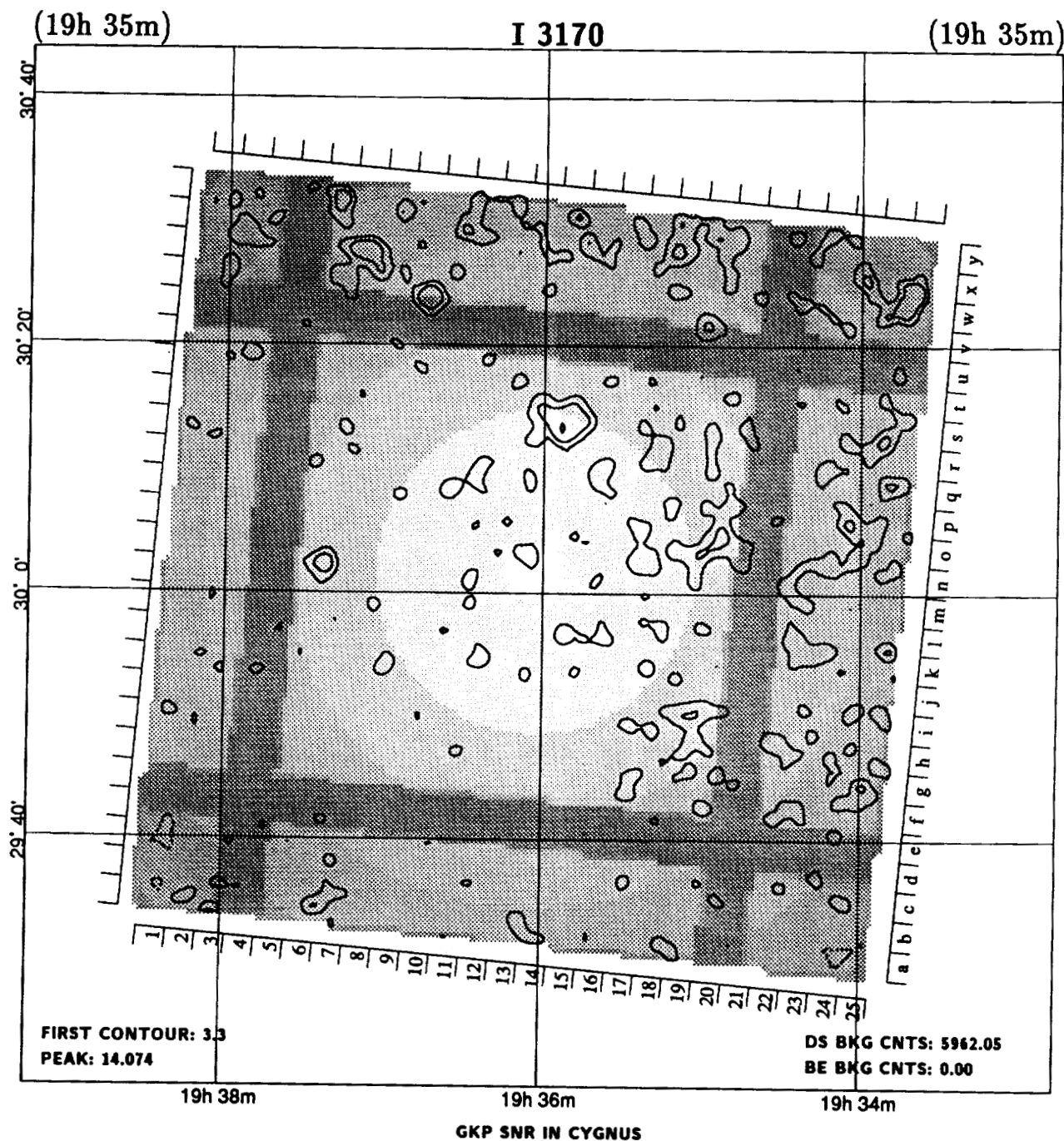
DIFFUSE GALACTIC INTERARM EMISSION

FIELD CENTER: $19^{\text{h}}35^{\text{m}}19.8^{\text{s}}$ $21^{\circ}09'59''$ (B1950)
 $19^{\text{h}}37^{\text{m}}29.9^{\text{s}}$ $21^{\circ}16'49''$ (J2000)
 $l: 57.00$ $b: 0.00$

DATE: 1979/279 - 1979/281
 LIVETIME: 40601.5s
 ROLL ANGLE: 91.1°

NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4268	1	19 34 32.5	20 52 50	55	*0.00328	0.00058	66.9	72.1	5.7	0.8	906	20.5	H	
4270	2	19 35 18.7	21 14 36	35	0.00189	0.00047	55.3	136.7	4.0	0.7	0	4.7		
4271	3	19 35 21.7	20 56 13	42	0.00209	0.00052	51.2	108.8	4.0	0.7	0	13.7		
4272	4	19 36 10.7	21 11 03	47	0.00236	0.00048	60.9	94.1	4.9	0.7	0	11.9	H	
4276	5	19 37 07.1	21 01 13	48	0.01081	0.00099	174.1	77.9	11.0	1.1	0	26.6	H	



FIELD CENTER: $19^{\text{h}}35^{\text{m}}59.8^{\text{s}}$ $30^{\circ}01'59''$ (B1950)
 $19^{\text{h}}37^{\text{m}}58.3^{\text{s}}$ $30^{\circ}08'51''$ (J2000)
 l : 64.80 b : 4.23

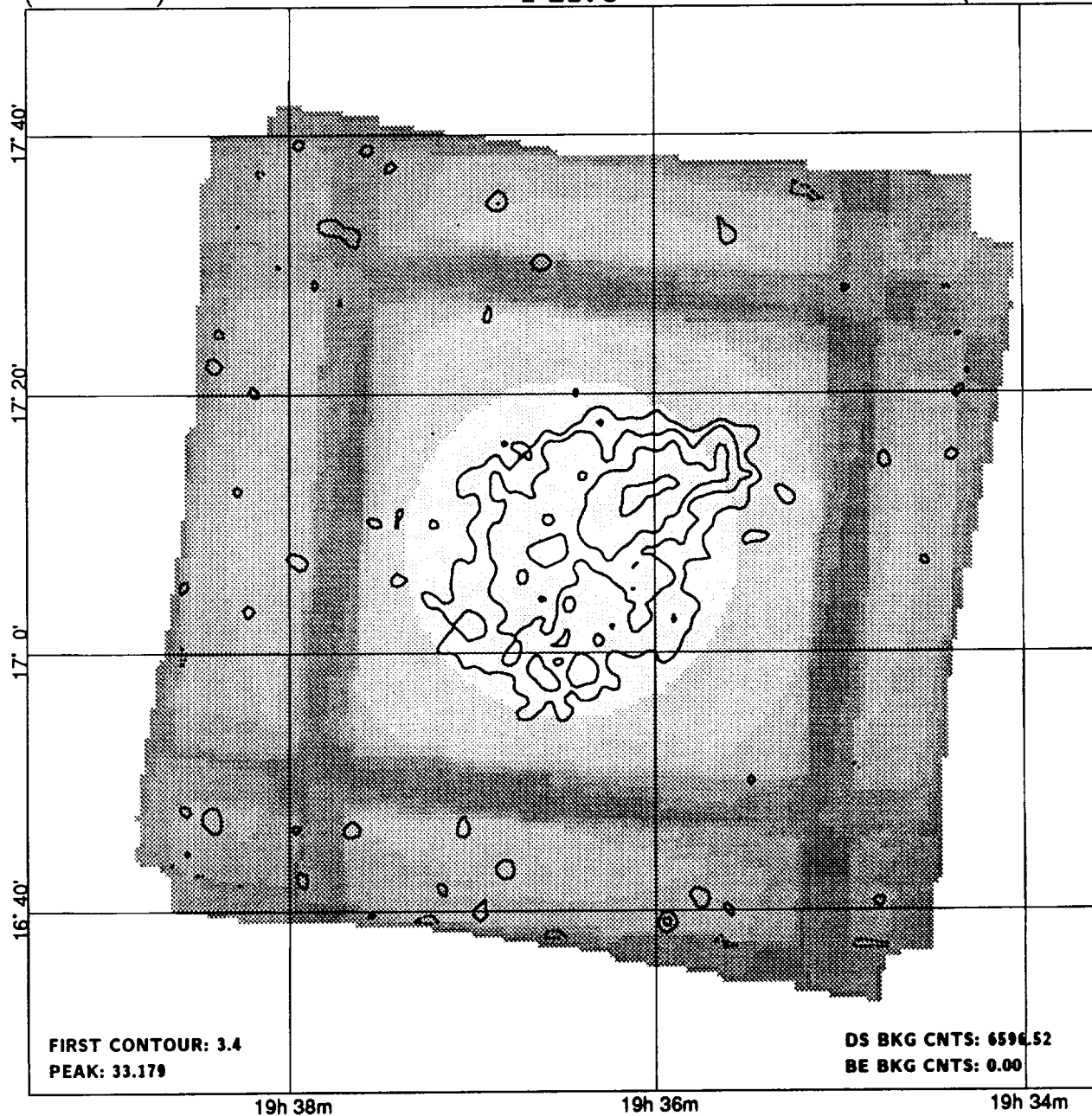
DATE: 1979/101 - 1979/101
 LIVETIME: 4831.2s
 ROLL ANGLE: -84.9°

NH: $4.0\text{E}+21$
 REF/ID:
 FIELD FLAGS: LS

(19h 36m)

I 2178

(19h 36m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G53.7-2.2=3C400.2

FIELD CENTER: $19^{\text{h}}36^{\text{m}}30.0^{\text{s}}$ $17^{\circ}07'58''$ (B1950)
 $19^{\text{h}}38^{\text{m}}44.9^{\text{s}}$ $17^{\circ}14'52''$ (J2000)
 $l: 53.63$ $b: -2.24$

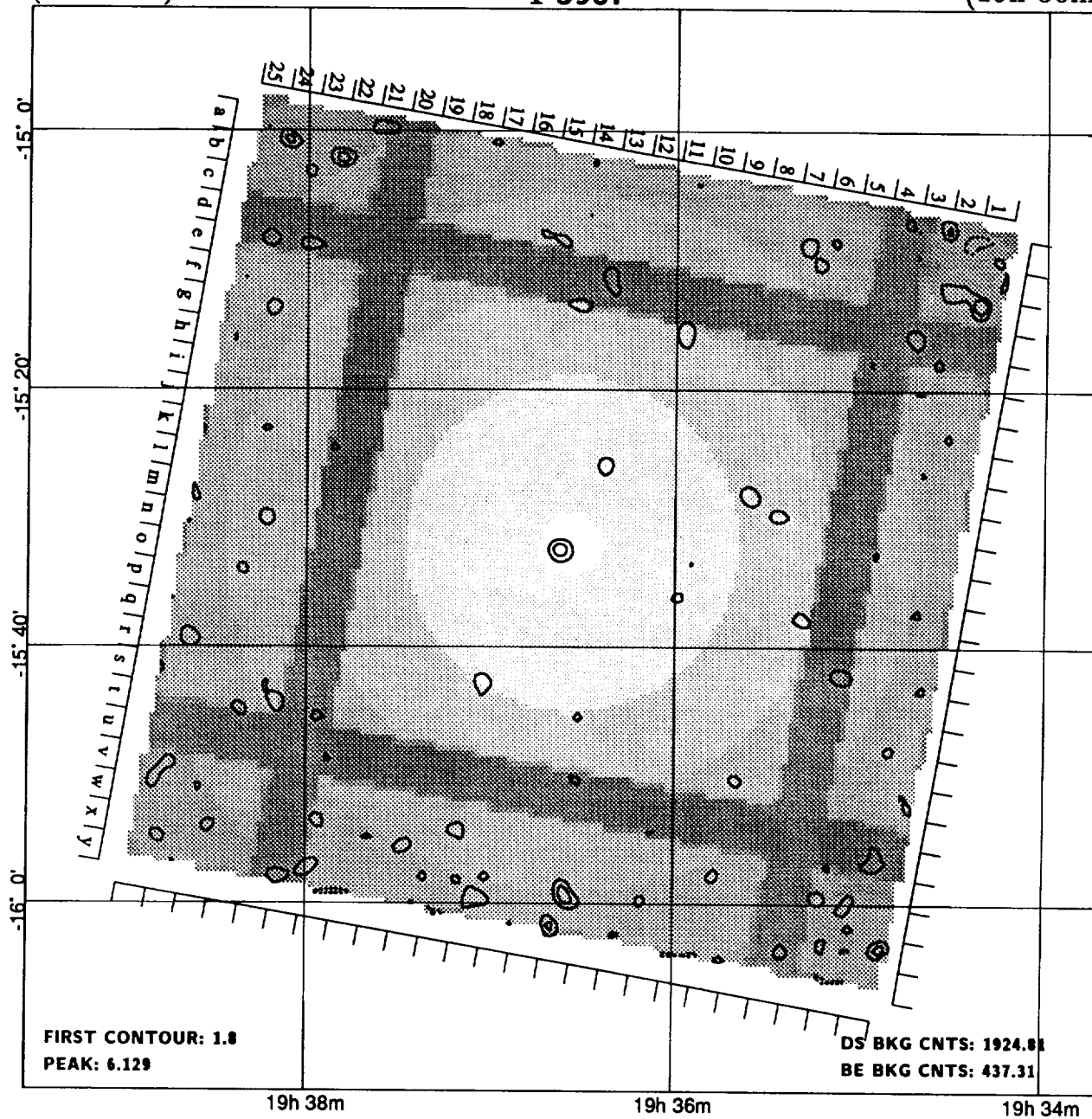
DATE: 1979/282 - 1979/294
LIVETIME: 5345.3s

NH: $6.1\text{E}+21$
REF/ID:
FIELD FLAGS: LS

(19h 36m)

I 3987

(19h 36m)



1936-155, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: $19^{\text{h}}36^{\text{m}}35.6^{\text{s}}$ $-15^{\circ}32'29''$ (B1950)
 $19^{\text{h}}39^{\text{m}}26.3^{\text{s}}$ $-15^{\circ}25'34''$ (J2000)
 $l: 24.17$ $b: -17.44$

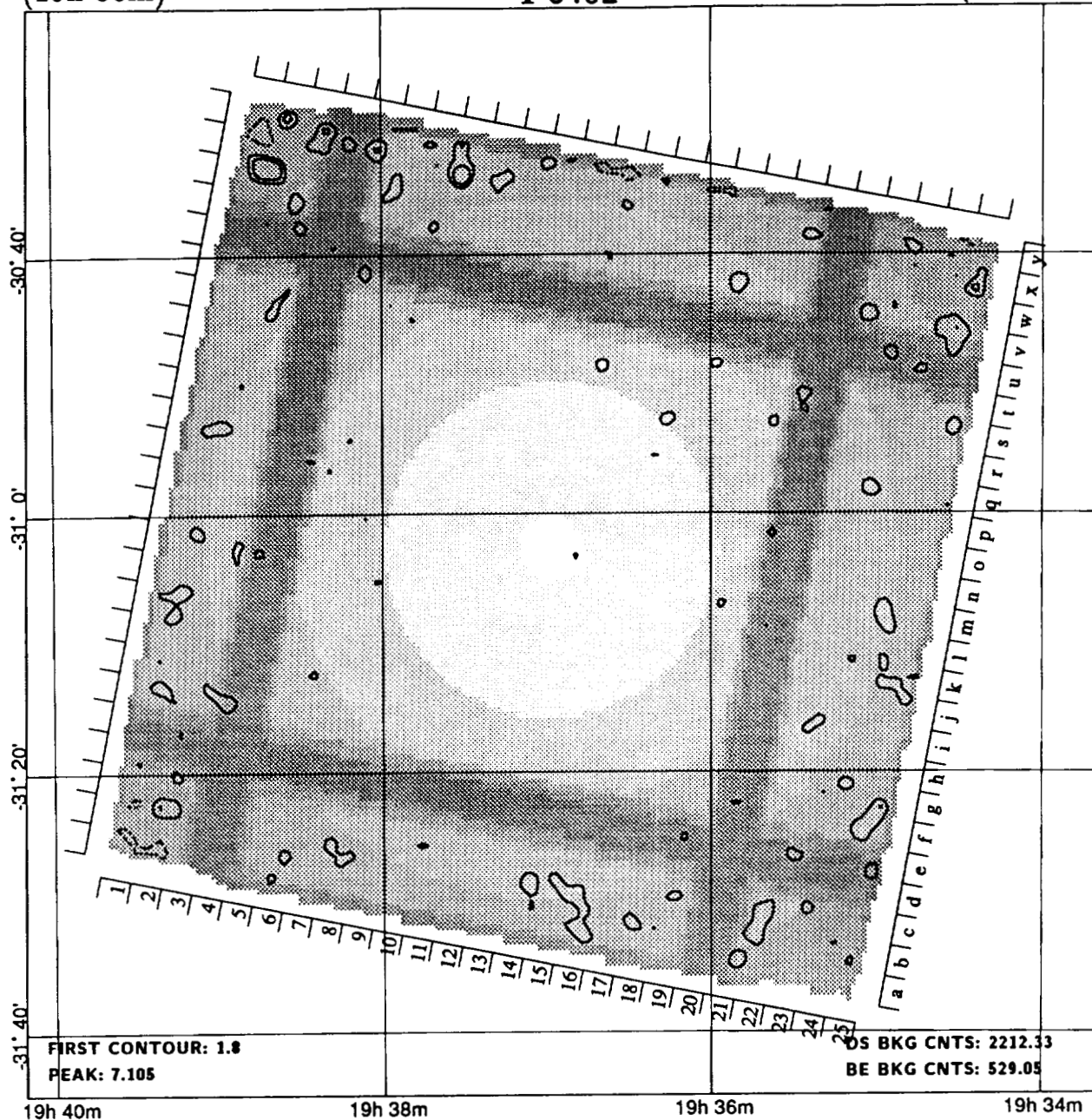
DATE: 1979/295 - 1979/295
 LIVETIME: 1559.7s
 ROLL ANGLE: 99.9°

NH: $8.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(19h 36m)

I 6402

(19h 36m)



M55, DIFFUSE M STAR EMISSION FROM GLOBULAR CLUSTERS

FIELD CENTER: $19^{\text{h}}36^{\text{m}}53.9^{\text{s}}$ $-31^{\circ}02'59''$ (B1950)
 $19^{\text{h}}40^{\text{m}}04.2^{\text{s}}$ $-30^{\circ}56'02''$ (J2000)
 $l: 8.83$ $b: -23.28$

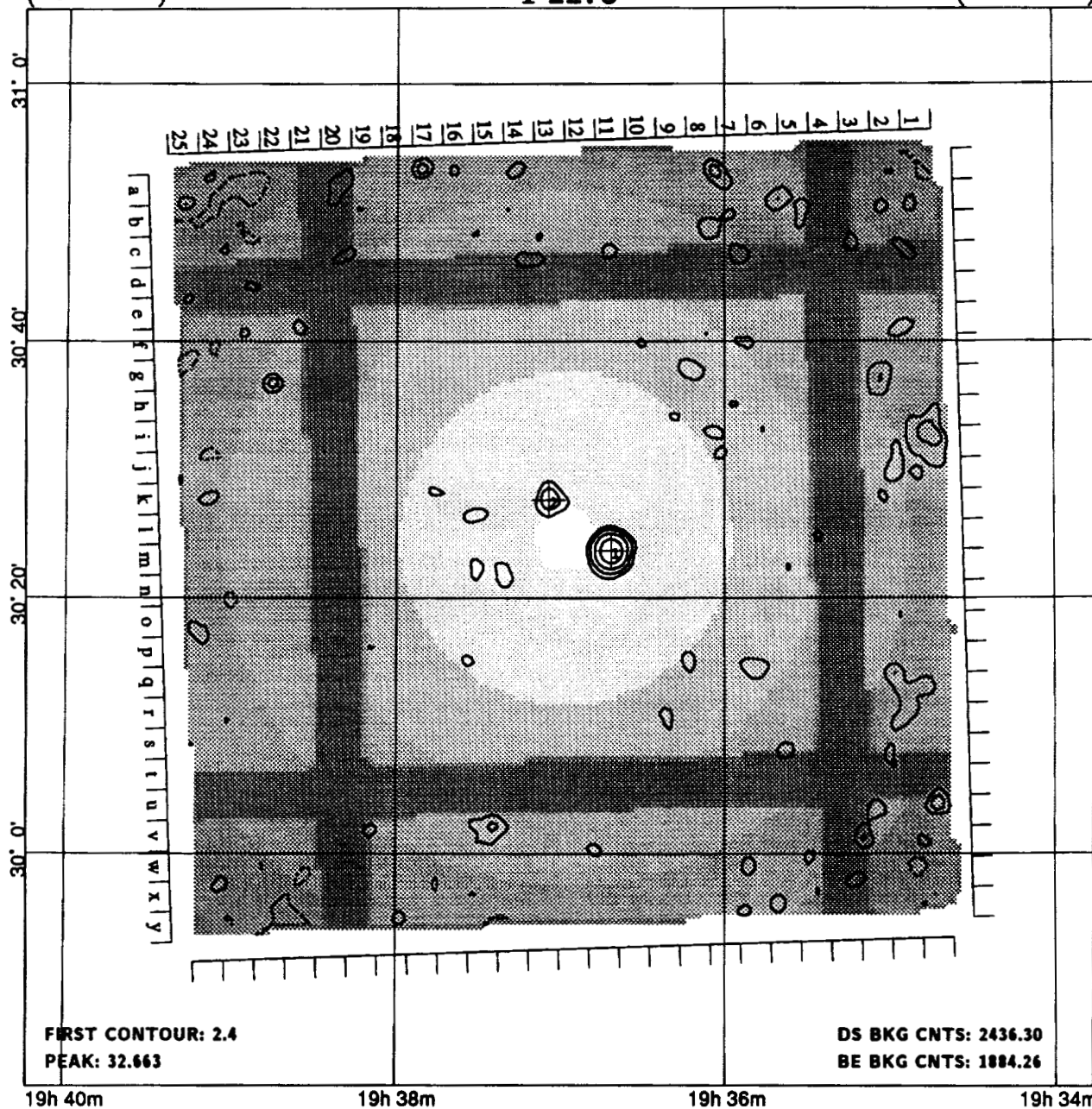
DATE: 1980/ 91 - 1980/ 91
 LIVETIME: 1857.1s
 ROLL ANGLE: -78.9°

NH: $8.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(19h 36m)

I 2275

(19h 36m)



FIELD CENTER: $19^h 36^m 59.8^s$ $30^\circ 23' 59''$ (B1950)
 $19^h 38^m 57.8^s$ $30^\circ 30' 55''$ (J2000)
 $l: 65.22$ $b: 4.23$

DATE: 1979/279 - 1979/279
 LIVETIME: 1974.2s
 ROLL ANGLE: 88.2°

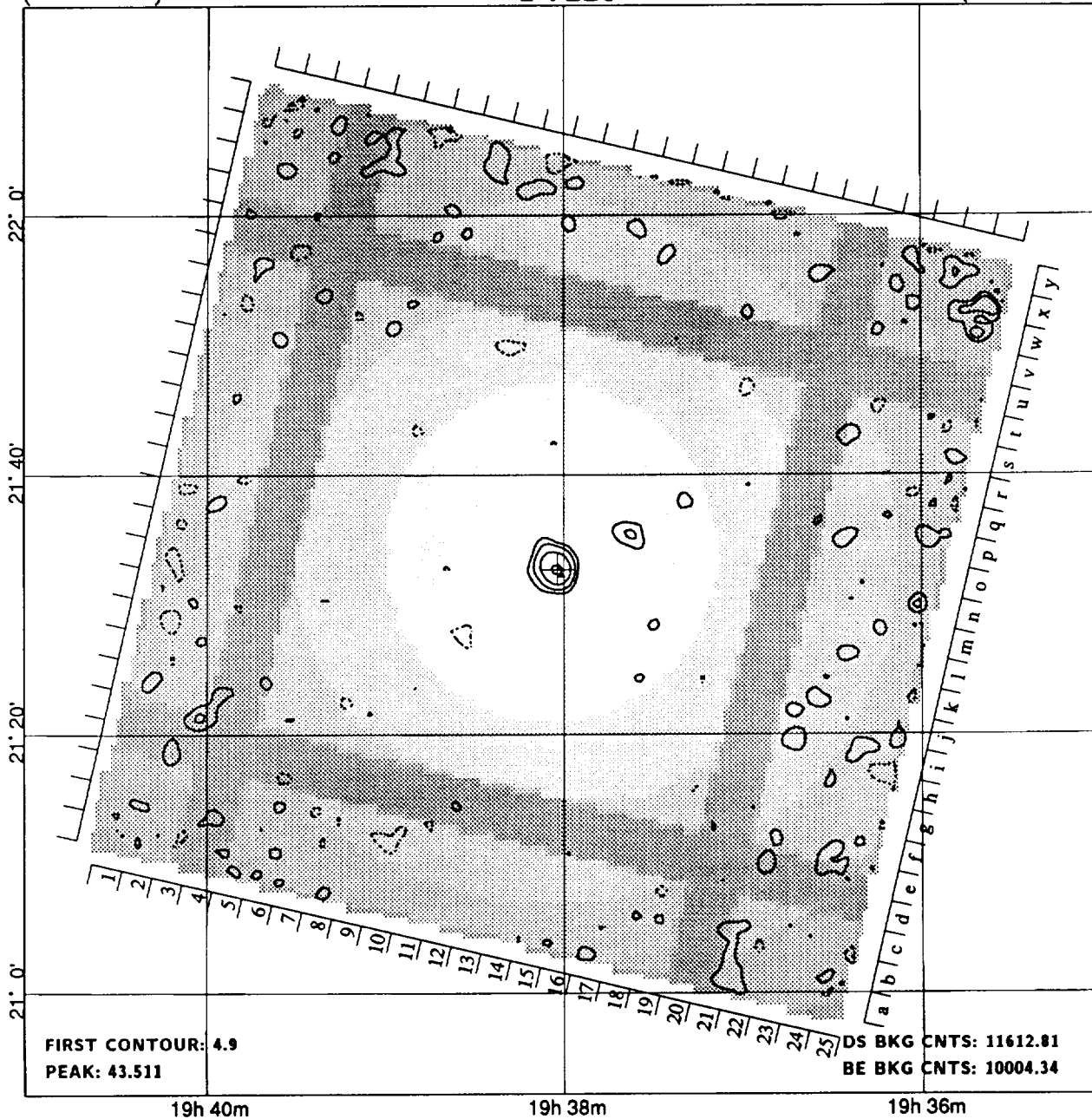
NH: $4.5E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4274	1L	19 36 41.4	30 23 38	31	0.0907	0.0093	129.9	11.1	9.6	1.0	0	4.0		CV
4275	2L	19 37 04.3	30 27 40	36	0.0215	0.0052	30.9	10.1	4.0	0.8	0	3.8		

(19h 38m)

I 7220

(19h 38m)



4C21.53, SCINTAR

FIELD CENTER: $19^{\text{h}}38^{\text{m}}00.9^{\text{s}}$ $21^{\circ}34'11''$ (B1950)
 $19^{\text{h}}40^{\text{m}}10.6^{\text{s}}$ $21^{\circ}41'11''$ (J2000)
 $l: 57.66$ $b: -0.35$

DATE: 1981/100 - 1981/100
 LIVETIME: 9410.2s
 ROLL ANGLE: -76.9°

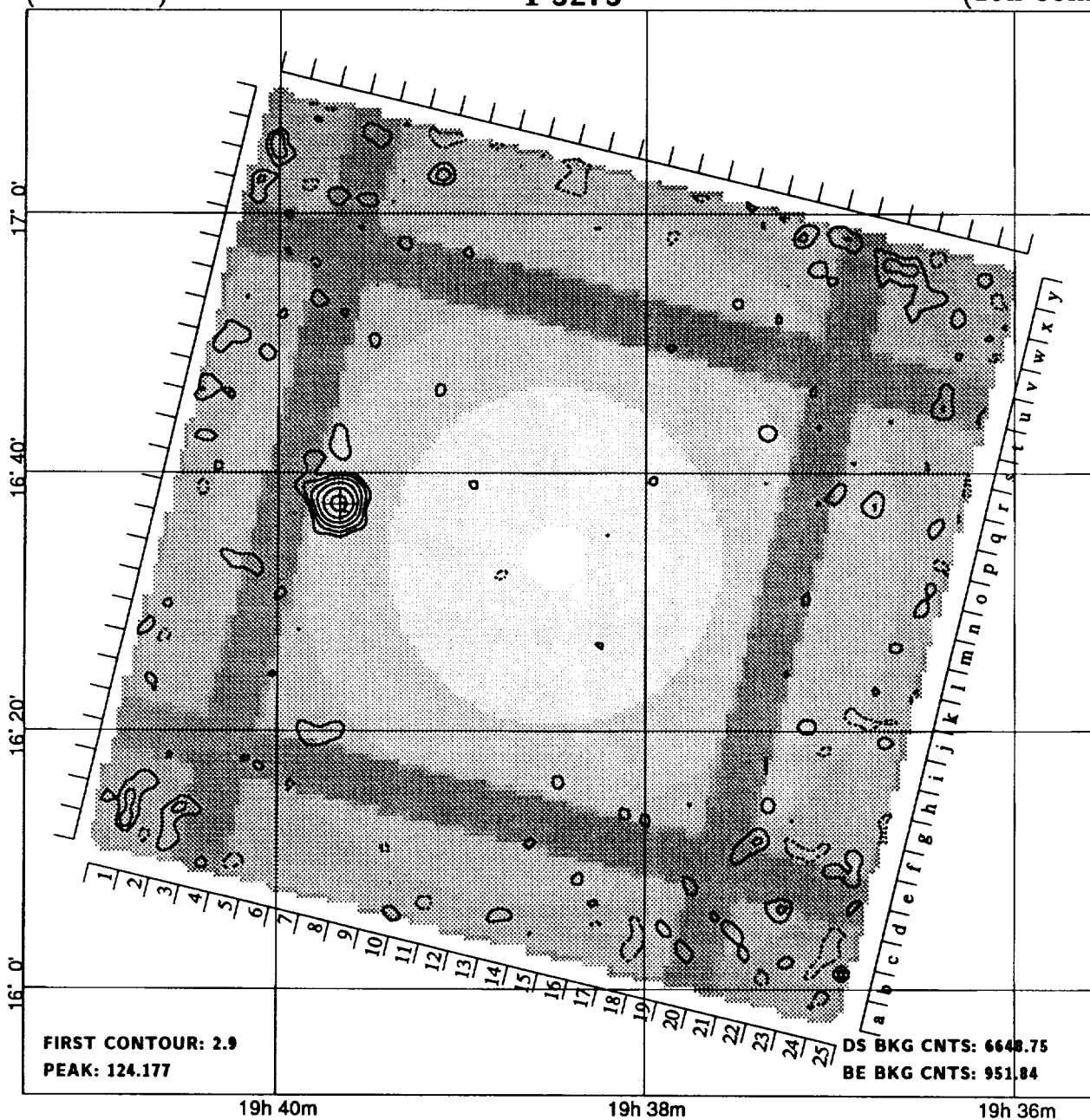
NH: $1.0\text{E}+22$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4278	1L	19 38 02.1	21 32 40	31	0.0231	0.0027	161.4	83.6	8.5	1.1	0	1.4	*

(19h 38m)

I 5275

(19h 38m)



STAR HM SGE

FIELD CENTER: $19^{\text{h}}38^{\text{m}}26.7^{\text{s}}$ $16^{\circ}33'46''$ (B1950)
 $19^{\text{h}}40^{\text{m}}42.4^{\text{s}}$ $16^{\circ}40'48''$ (J2000)
 $l: 53.36$ $b: -2.92$

DATE: 1980/113 - 1980/113

NH: 5.0E+21

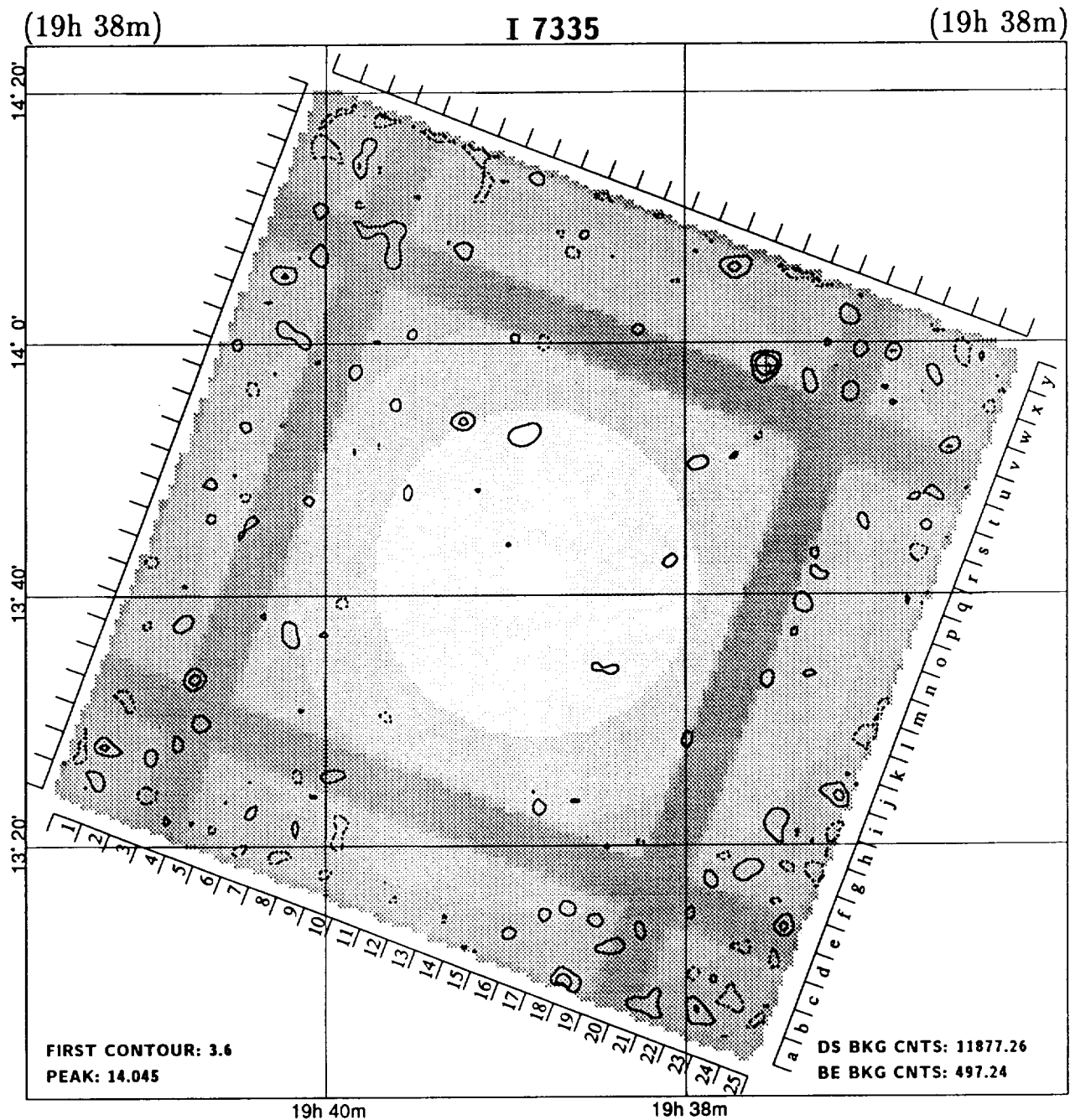
LIVETIME: 5387.7s

REF/ID:

ROLL ANGLE: -76.5°

FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4280	1	19 39 39.9	16 37 32	47	0.1122	0.0062	334.4	10.6	18.0	1.1	100	18.1	AH	S



QS AQL, ALGOL-LIKE SYSTEM

FIELD CENTER: $19^{\text{h}}38^{\text{m}}46.7^{\text{s}}$ $13^{\circ}41'49''$ (B1950)
 $19^{\text{h}}41^{\text{m}}05.7^{\text{s}}$ $13^{\circ}48'53''$ (J2000)
 $l: 50.91$ $b: -4.41$

DATE: 1980/126 - 1980/128
 LIVETIME: 9970.1s
 ROLL ANGLE: -69.1°

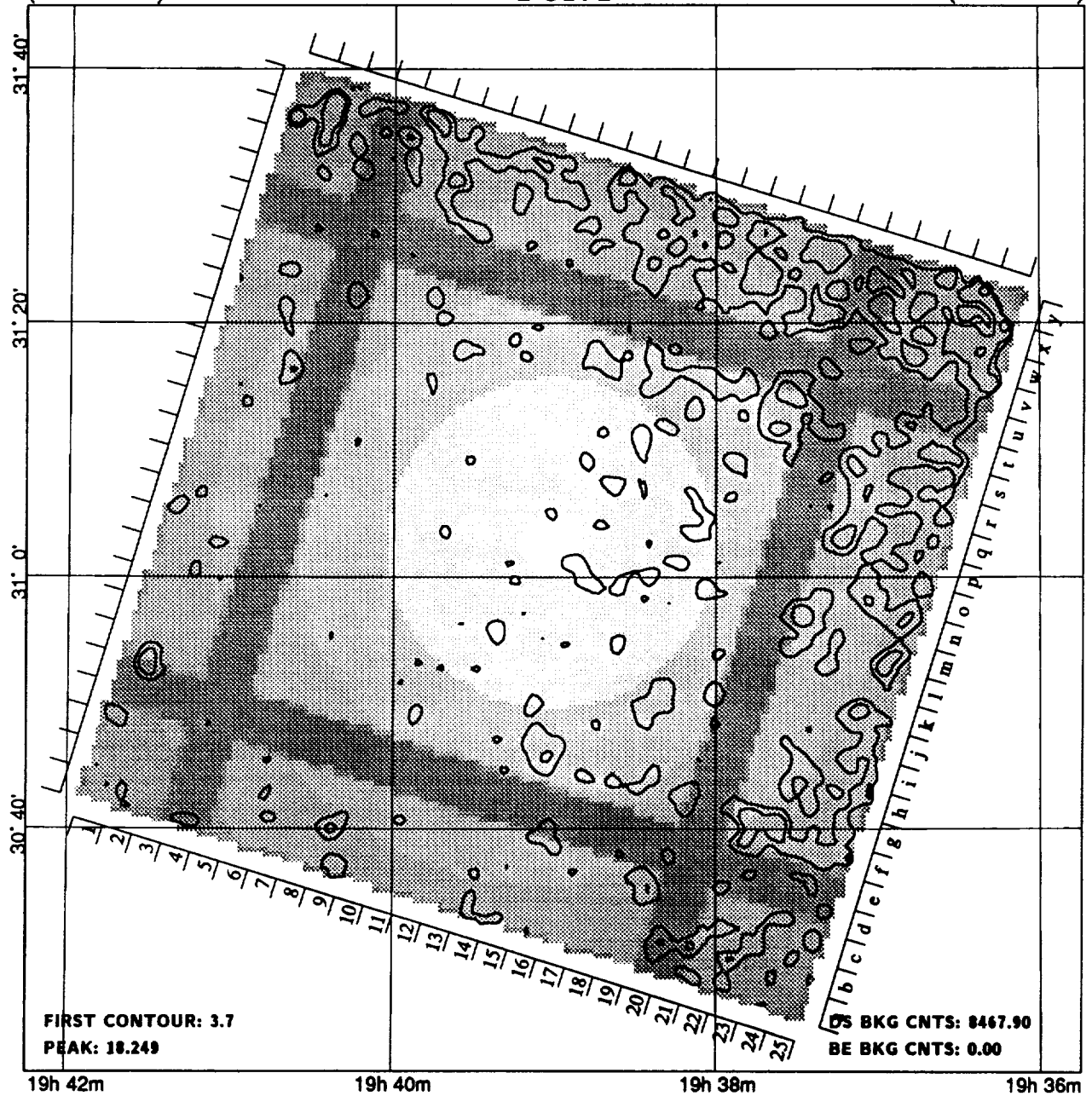
NH: $3.7\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4277	1	19 37 33.1	13 58 08	55	*0.0066	0.0015	28.5	14.5	4.3	0.7	602	24.2	H	

(19h 38m)

I 3171

(19h 38m)



FIELD CENTER: 19^h38^m59.8^s 31°02'59" (B1950)
19^h40^m57.0^s 31°10'03" (J2000)
ℓ: 66.00 b: 4.17

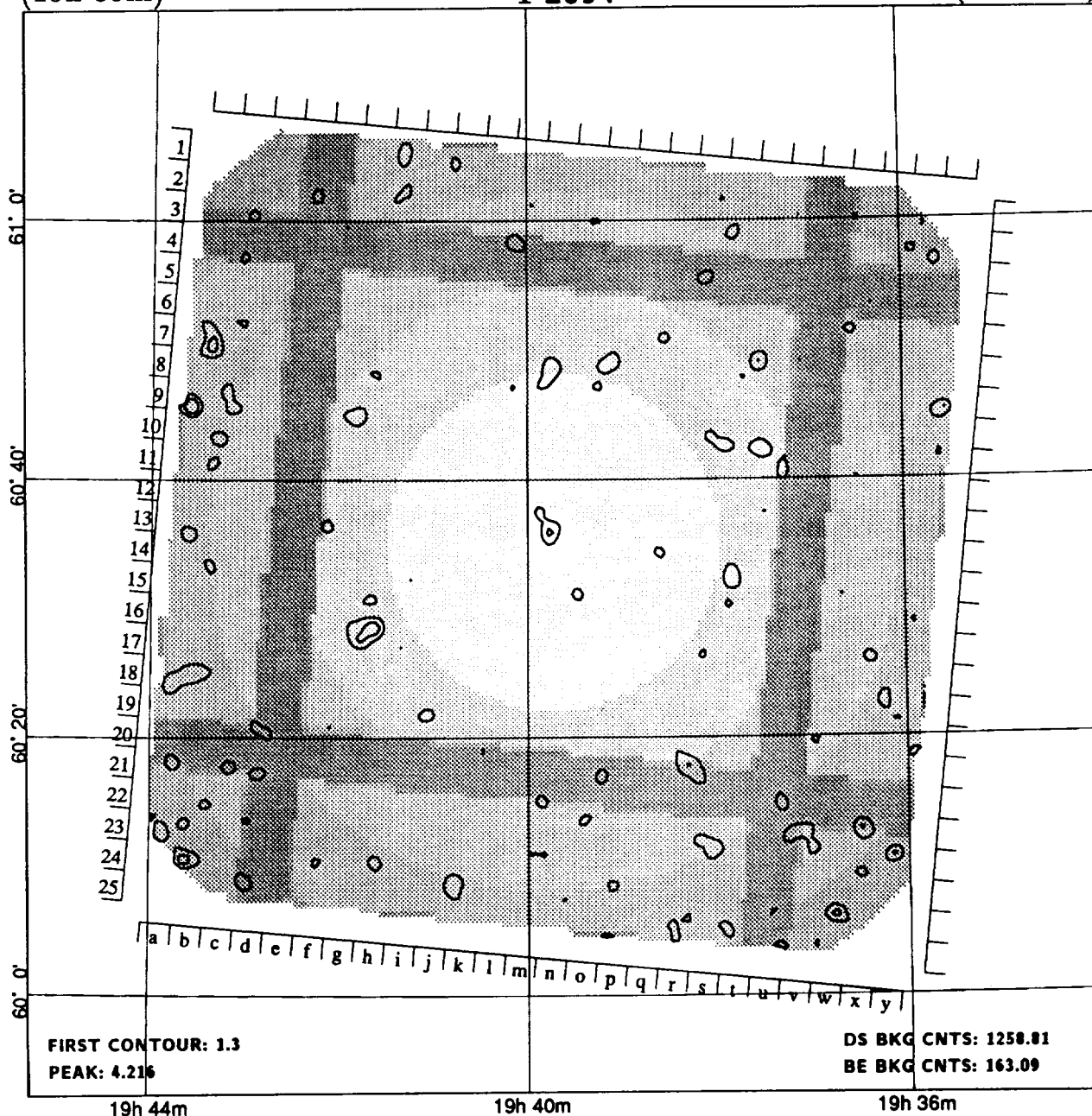
DATE: 1979/117 - 1979/118
LIVETIME: 6861.8s
ROLL ANGLE: -73.0°

NH: 4.8E+21
REF/ID:
FIELD FLAGS: L

(19h 39m)

I 2694

(19h 39m)

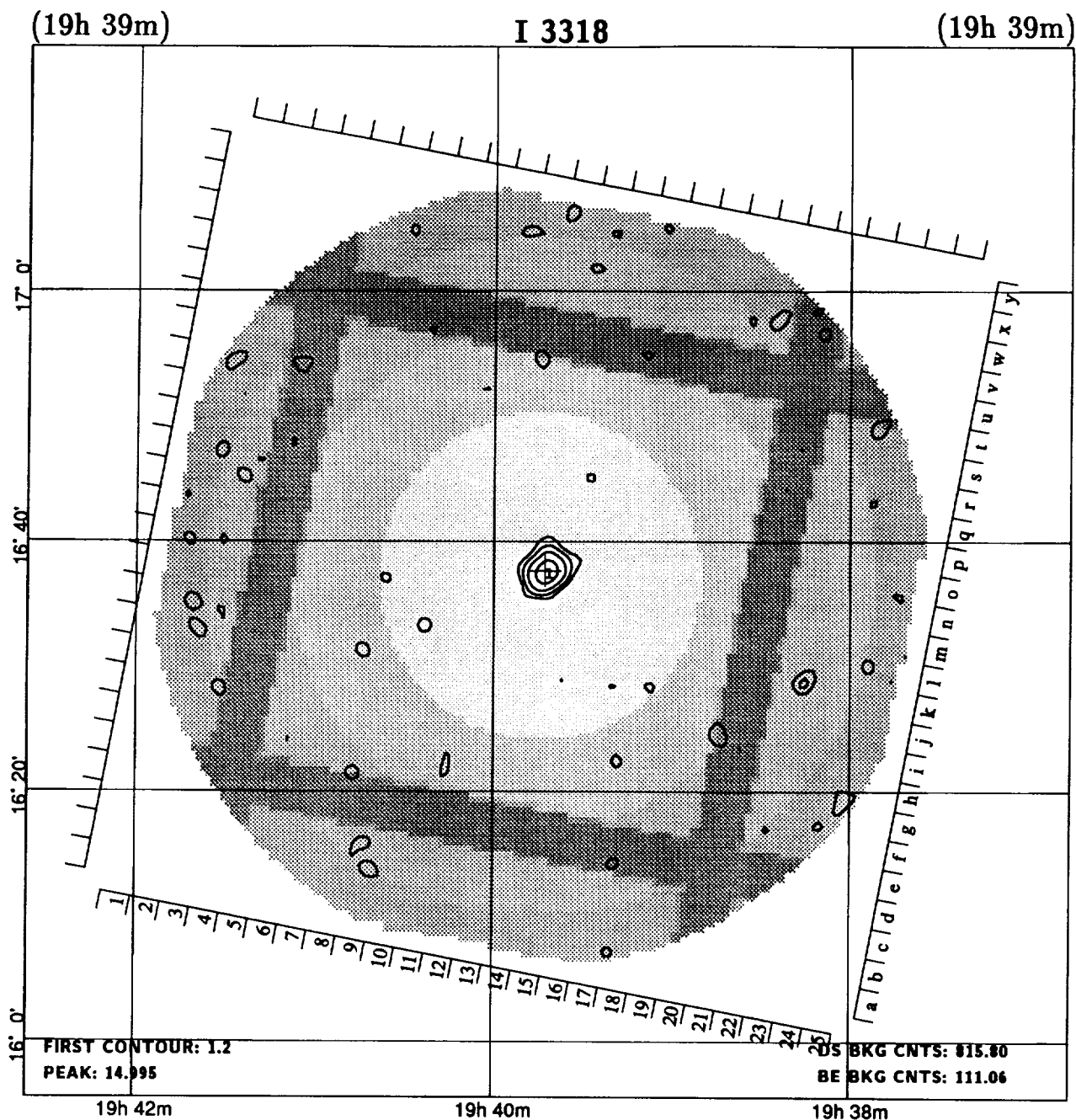


3C 401: BRIGHT X-GALACTIC RADIO SOURCESE

FIELD CENTER: $19^h 39^m 38.4^s$ $60^\circ 34' 29''$ (B1950)
 $19^h 40^m 24.6^s$ $60^\circ 41' 33''$ (J2000)
 $l: 92.78$ $b: 17.77$

DATE: 1979/203 - 1979/203
 LIVETIME: 1020.0s
 ROLL ANGLE: 5.5°

NH: $7.9E+20$
 REF/ID: !
 FIELD FLAGS:



SYMBIOTIC STARS: HM SGE

FIELD CENTER: $19^h 39^m 41.2^s$ $16^\circ 37' 32''$ (B1950)
 $19^h 41^m 56.9^s$ $16^\circ 44' 39''$ (J2000)
 $l: 53.57$ $b: -3.15$

DATE: 1979/ 99 - 1979/ 99
LIVETIME: 661.1s
ROLL ANGLE: -79.2°

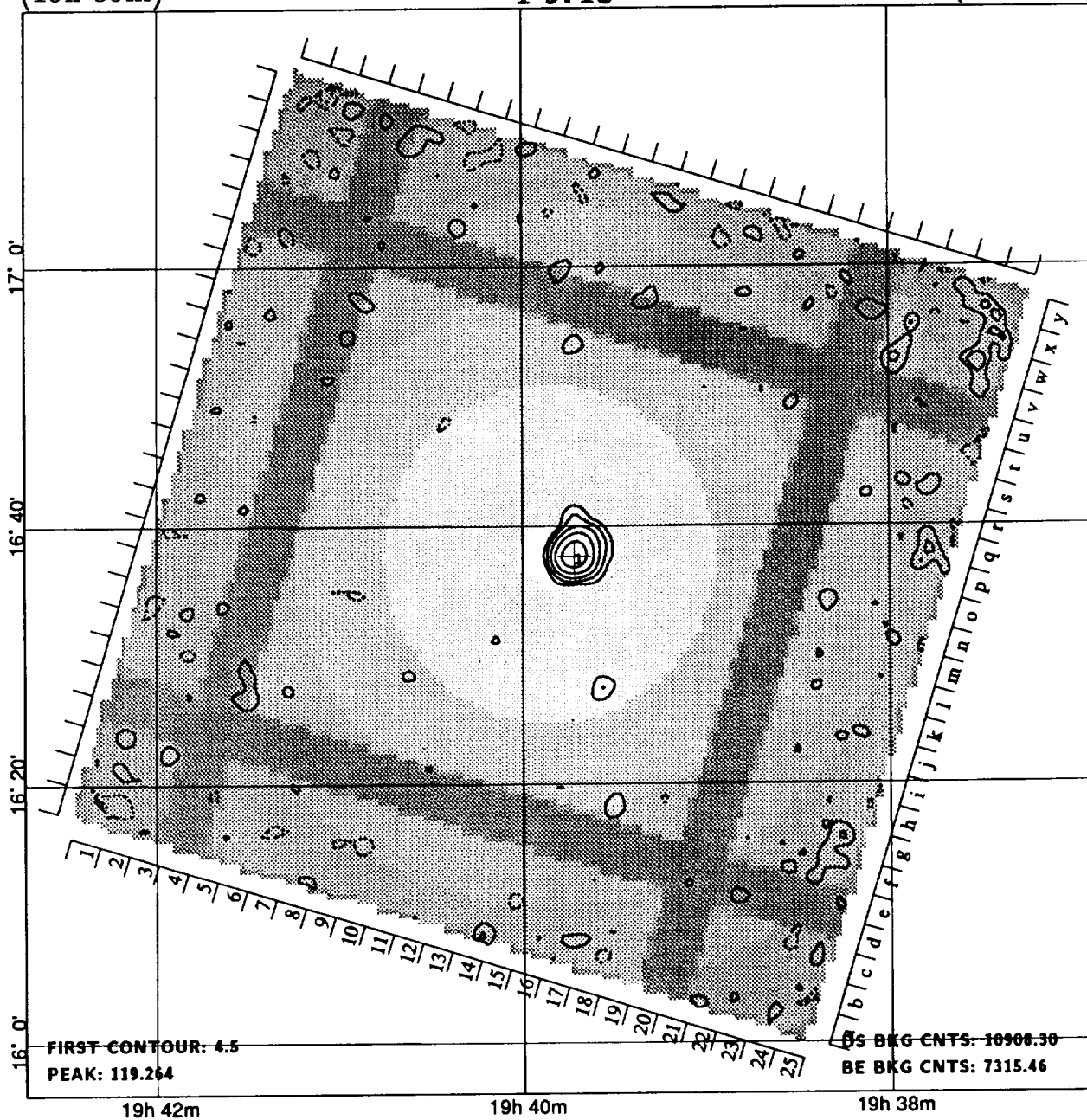
NH: 4.5E+21
REF/ID: S
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4280	1	19 39 42.7	16 37 39	32	0.131 0.017	64.7	2.3	7.9	1.2	0	0.2	AH	S

(19h 39m)

I 9713

(19h 39m)



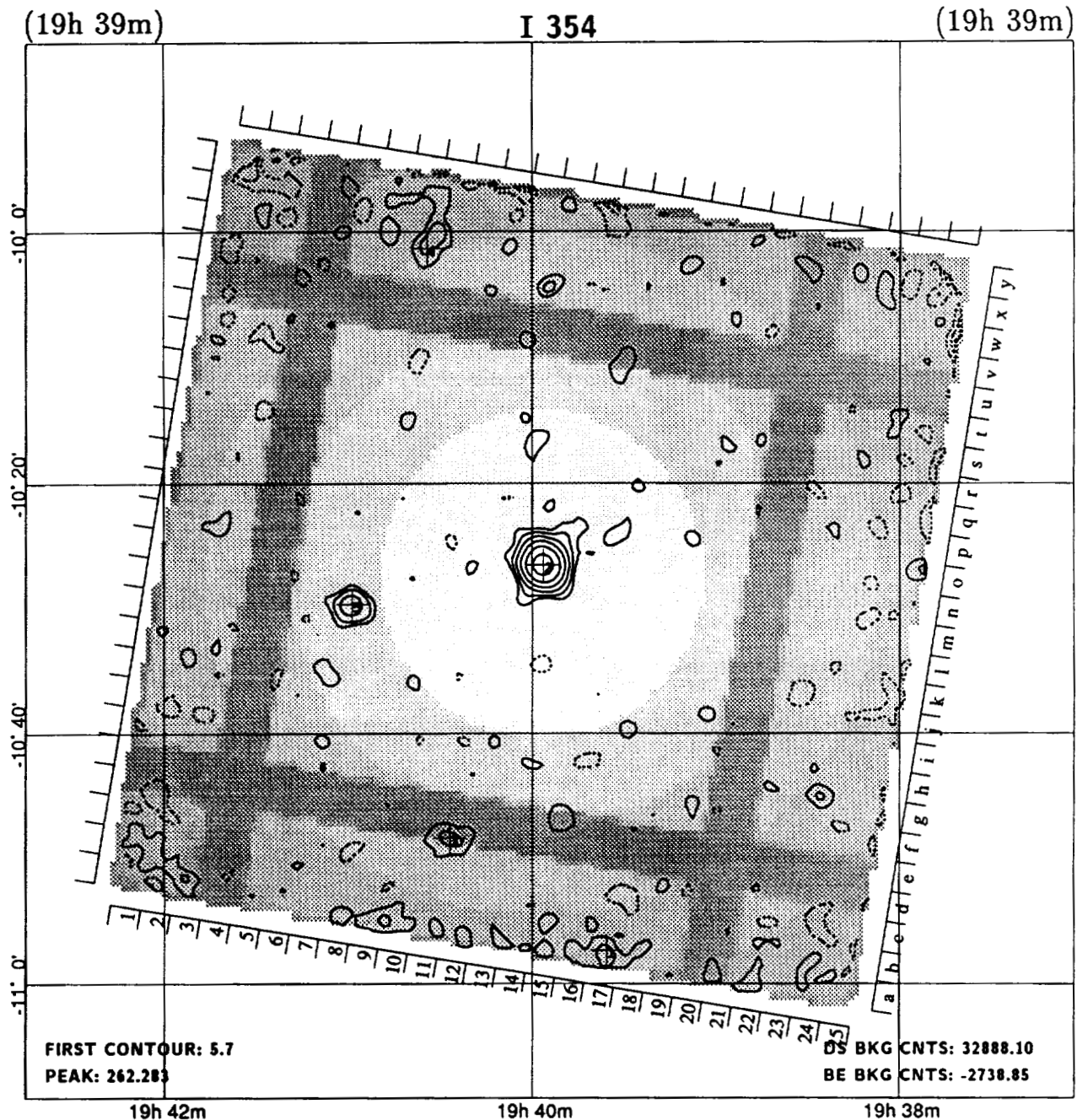
ERUPTIVE SYMBIOTIC STARS: HM SGE

FIELD CENTER: $19^{\text{h}}39^{\text{m}}47.8^{\text{s}}$ $16^{\circ}37'59''$ (B1950)
 $19^{\text{h}}42^{\text{m}}03.5^{\text{s}}$ $16^{\circ}45'07''$ (J2000)
 $l: 53.59$ $b: -3.17$

DATE: 1981/ 98 - 1981/ 98
 LIVETIME: 8839.3s
 ROLL ANGLE: -73.2°

NH: $4.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4280	1L	19 39 43.0	16 37 37	31	0.0700	0.0043	456.3	116.7	16.3	1.3	0	1.3	A	S



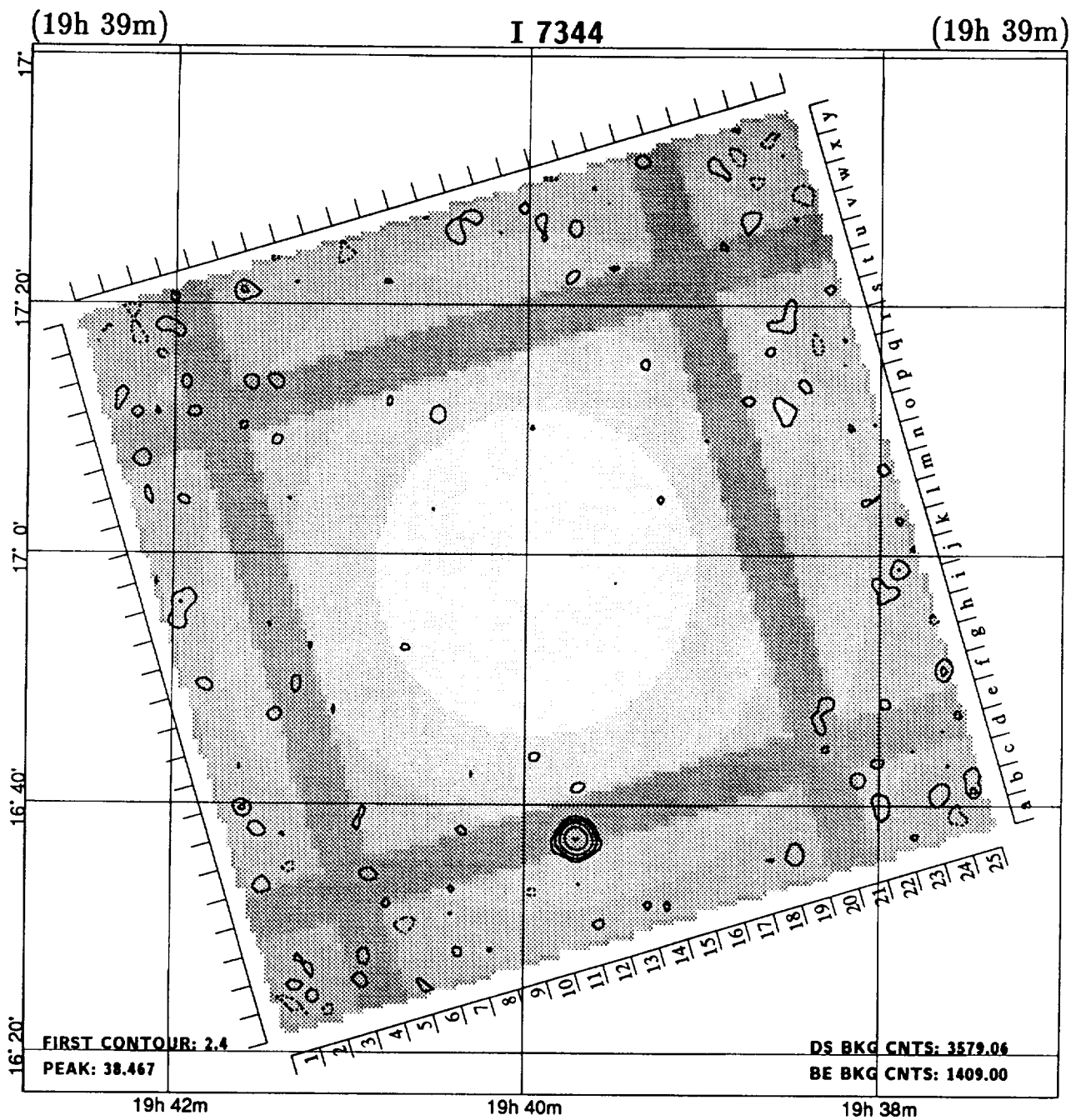
NGC 6814 SEYFERT VARIABILITY STUDY

FIELD CENTER: $19^{\text{h}}39^{\text{m}}53.9^{\text{s}}$ $-10^{\circ}26'59''$ (B1950)
 $19^{\text{h}}42^{\text{m}}38.8^{\text{s}}$ $-10^{\circ}19'51''$ (J2000)
 $l: 29.34$ $b: -16.01$

DATE: 1979/102 - 1979/103
LIVETIME: 26650.1s
ROLL ANGLE: -80.6°

NH: $9.6\text{E}+20$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4279	1	19 39 35.5	-10 57 18	59	0.00324	0.00088	29.1	32.9	3.7	1.3	500	30.6	H	
4281	2	19 39 56.3	-10 26 32	31	0.0573	0.0017	1135.9	67.1	32.8	1.2	0	0.8	H	SY
4283	3	19 40 27.0	-10 48 21	122	*0.00315	0.00070	39.8	37.2	4.5	1.0	1008	22.7	H	S
4284	4	19 40 34.3	-10 01 21	64	0.00329	0.00085	34.0	44.0	3.8	1.7	0	27.6	H	
4285	5	19 40 58.9	-10 29 38	48	0.00680	0.00083	105.8	60.2	8.2	1.0	0	16.3	H	

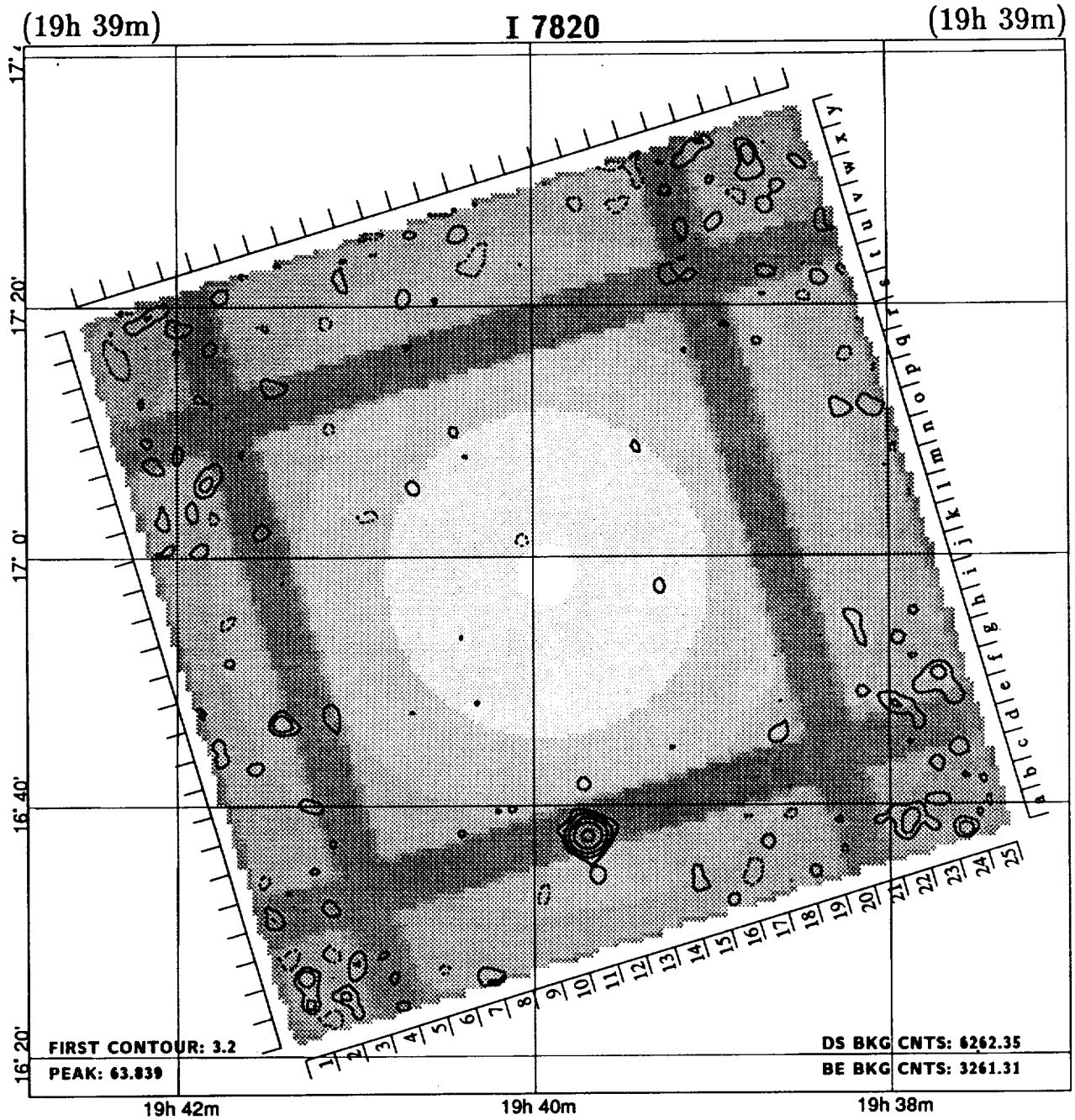


UU SGE, CLOSE BINARY PL. NEBULA NUCLEUS

FIELD CENTER: $19^h 39^m 53.9^s$ $16^\circ 58' 41''$ (B1950)
 $19^h 42^m 09.2^s$ $17^\circ 05' 49''$ (J2000)
 $l: 53.90$ $b: -3.02$

DATE: 1981/110 - 1981/110
 LIVETIME: 2900.3s
 ROLL ANGLE: -106.6°

NH: $4.5E+21$
 REF/ID:
 FIELD FLAGS: LS

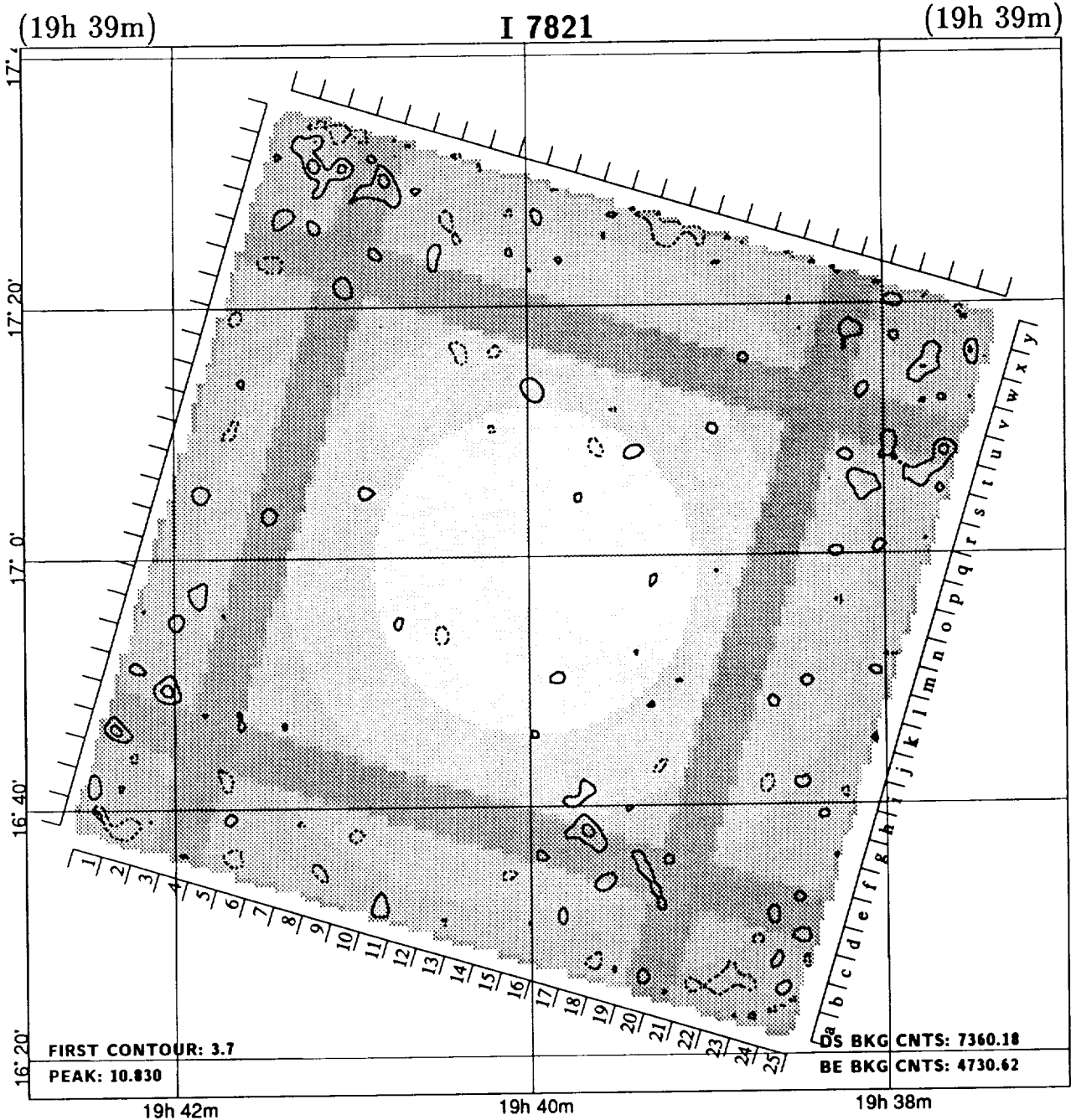


UU SGE,X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: $19^{\text{h}}39^{\text{m}}54.9^{\circ}$ $16^{\circ}58'59''$ (B1950)
 $19^{\text{h}}42^{\text{m}}10.1^{\circ}$ $17^{\circ}06'07''$ (J2000)
 ℓ : 53.90 b : -3.02

DATE: 1981/110 - 1981/110
 LIVETIME: 5074.6s
 ROLL ANGLE: -106.6°

NH: $4.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: CLS



UU SGE,X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: $19^{\text{h}}39^{\text{m}}54.9^{\text{s}}$ $16^{\circ}58'59''$ (B1950)
 $19^{\text{h}}42^{\text{m}}10.1^{\text{s}}$ $17^{\circ}06'07''$ (J2000)
 $l: 53.90$ $b: -3.02$

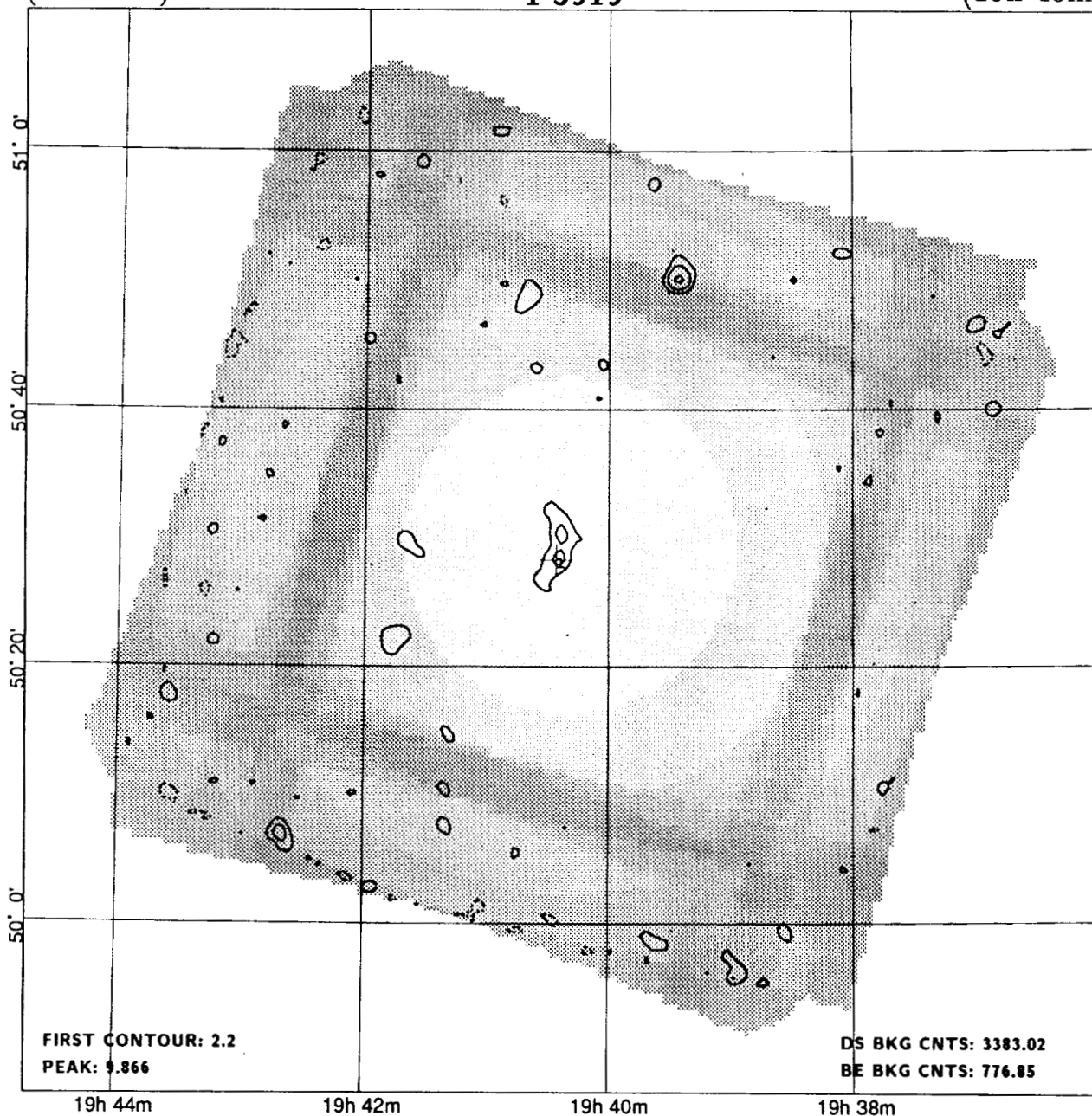
DATE: 1981/ 98 - 1981/ 98
 LIVETIME: 5964.2s
 ROLL ANGLE: -73.4°

NH: $4.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: CL

(19h 40m)

I 3919

(19h 40m)



3C 402 HALO

FIELD CENTER: $19^h 40^m 22.3^s$ $50^\circ 28' 59''$ (B1950)
 $19^h 41^m 42.6^s$ $50^\circ 36' 07''$ (J2000)
 $l: 83.40$ $b: 13.26$

DATE: 1979/301 - 1979/310
 LIVETIME: 2741.4s

NH: $1.1E+21$

REF/ID:

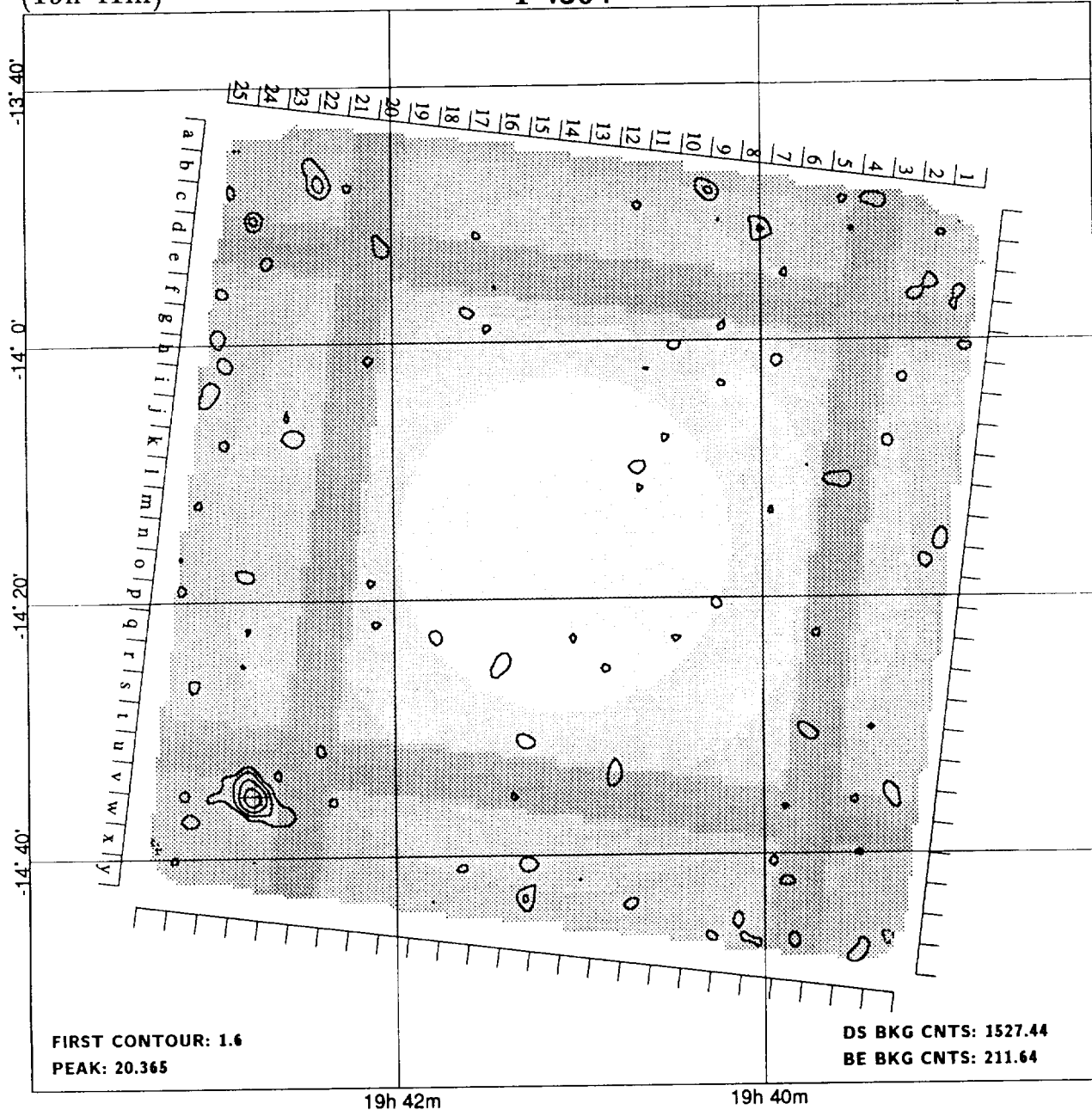
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4282	1	19 40 25.8	50 28 21	40	0.0095	0.0027	19.2	10.8	3.5	1.6	0	0.4		G

(19h 41m)

I 4504

(19h 41m)



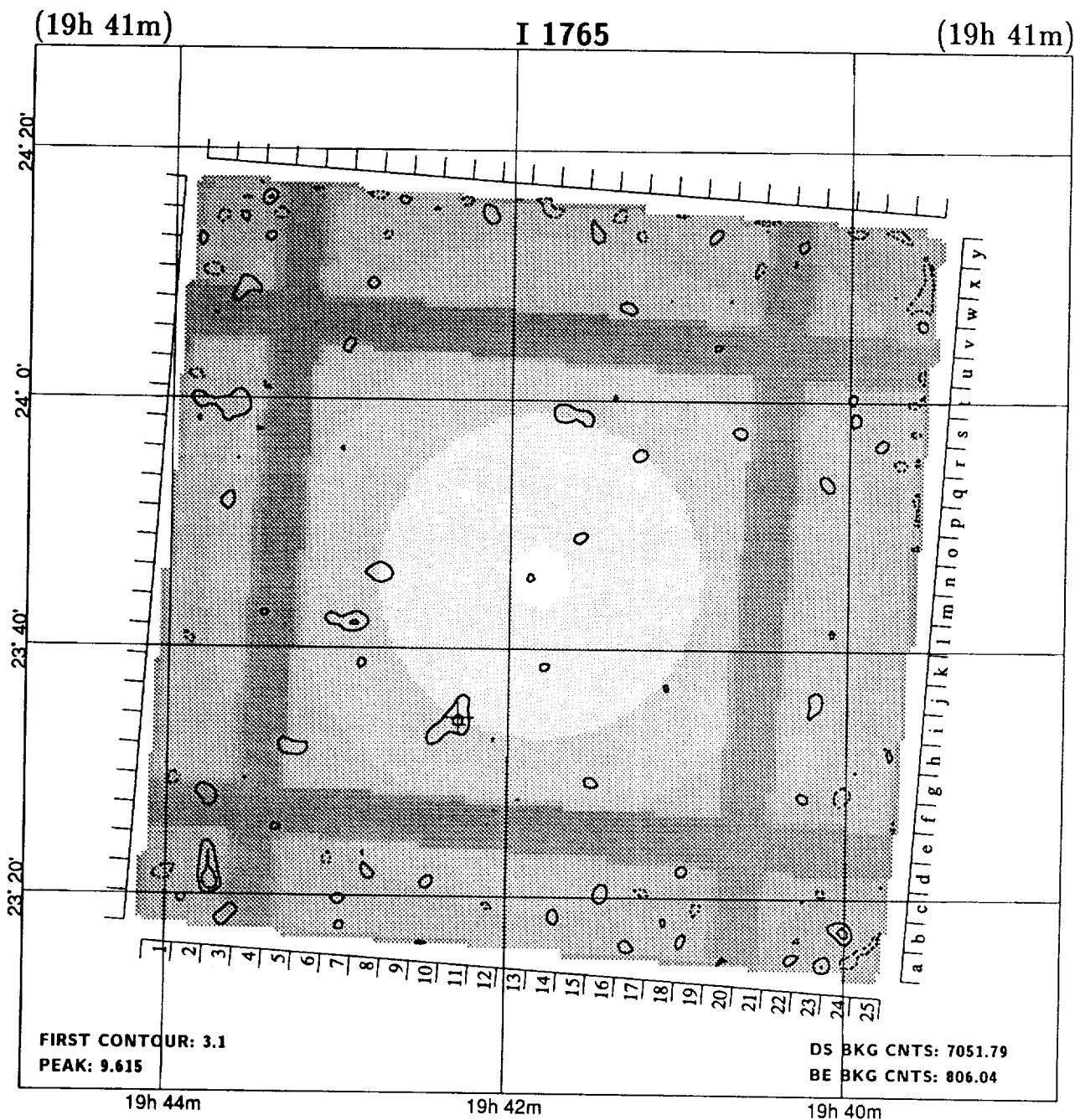
NGC 6818: PLANETARY NEBULAE

FIELD CENTER: $19^{\text{h}}41^{\text{m}}05.8^{\text{s}}$ $-14^{\circ}15'59''$ (B1950)
 $19^{\text{h}}43^{\text{m}}54.8^{\text{s}}$ $-14^{\circ}08'46''$ (J2000)
 $l: 25.86$ $b: -17.90$

DATE: 1979/295 - 1979/295
 LIVETIME: 1237.7s
 ROLL ANGLE: 97.0°

NH: $9.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4287	1	19 42 46.1	-14 35 11	51	*0.067	0.013	27.1	1.9	5.0	1.1	602	31.0	H	



DIFFUSE GALACTIC INTERARM EMISSION

FIELD CENTER: $19^{\text{h}}41^{\text{m}}46.8^{\text{s}}$ $23^{\circ}46'11''$ (B1950)
 $19^{\text{h}}43^{\text{m}}54.0^{\text{s}}$ $23^{\circ}53'26''$ (J2000)
 $l: 60.00$ $b: 0.00$

DATE: 1979/ 99 - 1979/100
LIVETIME: 5714.3s
ROLL ANGLE: -86.1°

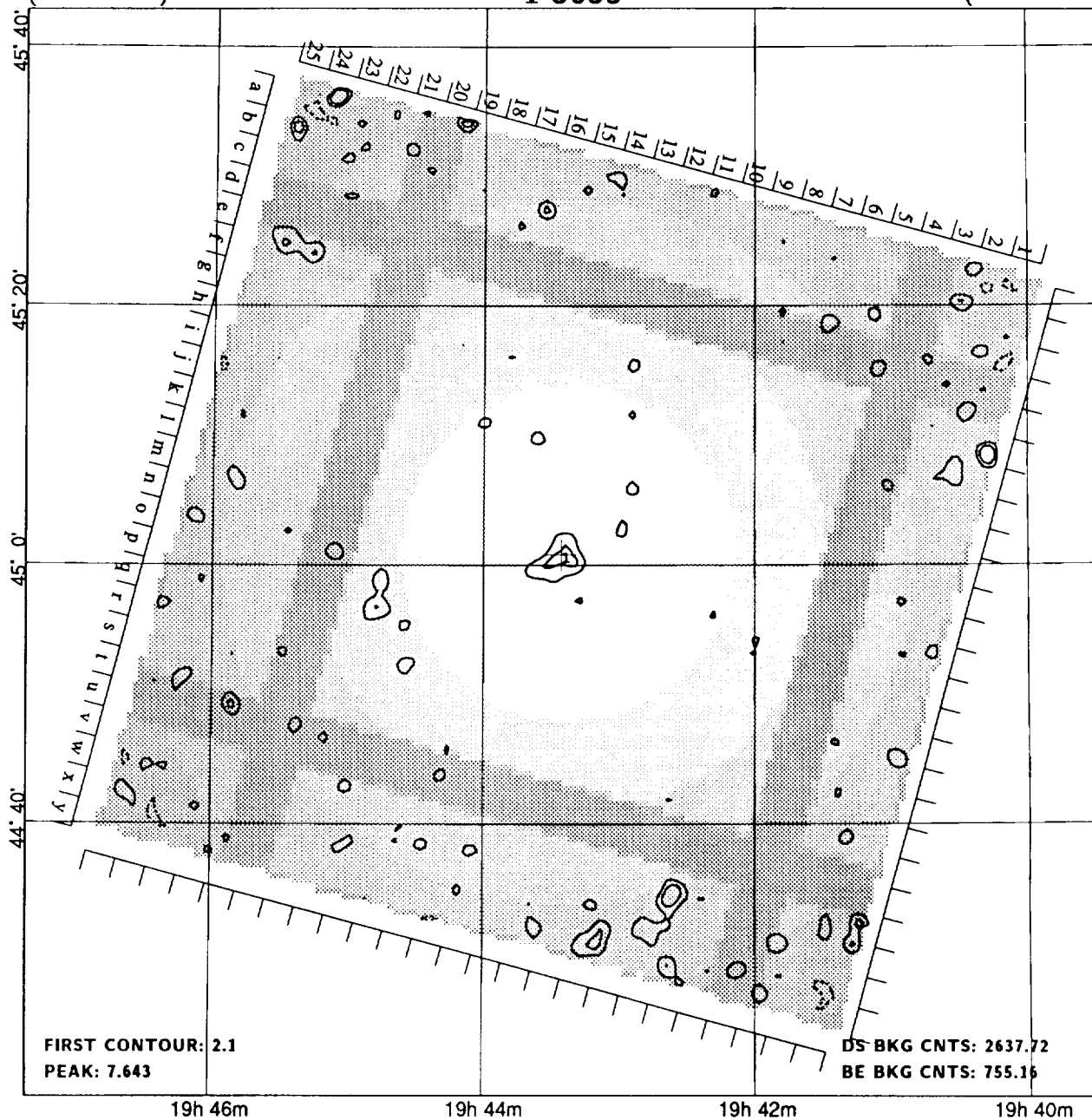
NH: 1.0E+22
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4286	1	19 42 17.8	23 34 25	46	0.0073	0.0018	26.0	17.0	4.0	1.0	0	13.6	H	

(19h 43m)

I 5633

(19h 43m)



FIELD CENTER: 19^h43^m24.9^s 45°00'59" (B1950)
19^h44^m58.5^s 45°08'19" (J2000)
 ℓ : 78.72 b : 10.25

DATE: 1979/303 - 1979/303
LIVETIME: 2137.4s
ROLL ANGLE: 105.1°

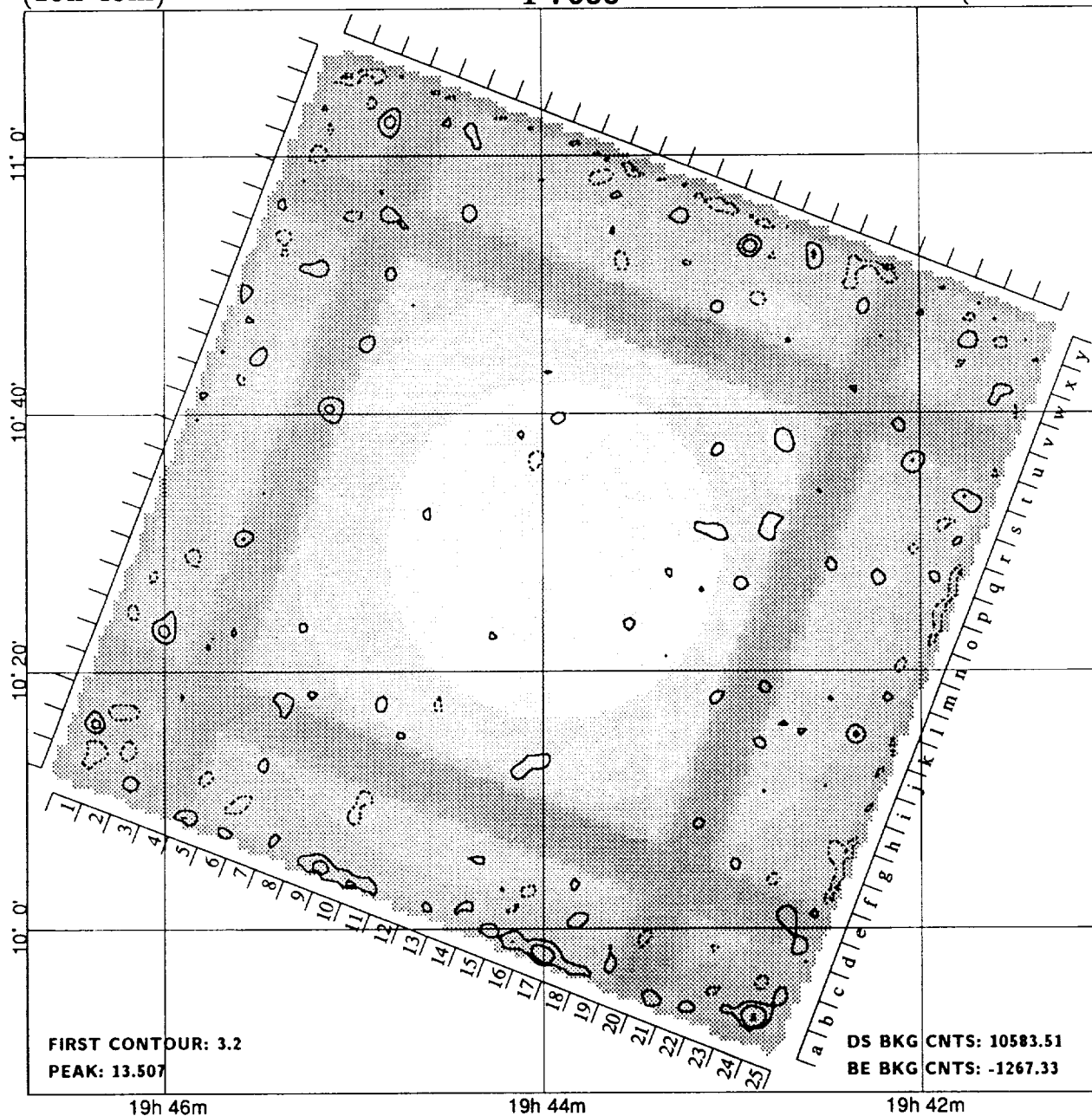
NH: 2.0E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4288	1	19 43 25.5	45 00 49	40	0.0139	0.0035	22.1	8.9	4.0	1.3	0	0.4	AH	S

(19h 43m)

I 7688

(19h 43m)



GAM AQL,CORONAE/WINDS DIVISION AMONG LATE-TYPE STARS

FIELD CENTER: $19^h 43^m 52.8^s$ $10^\circ 29' 23''$ (B1950)
 $19^h 46^m 15.4^s$ $10^\circ 36' 47''$ (J2000)
 $l: 48.73$ $b: -7.08$

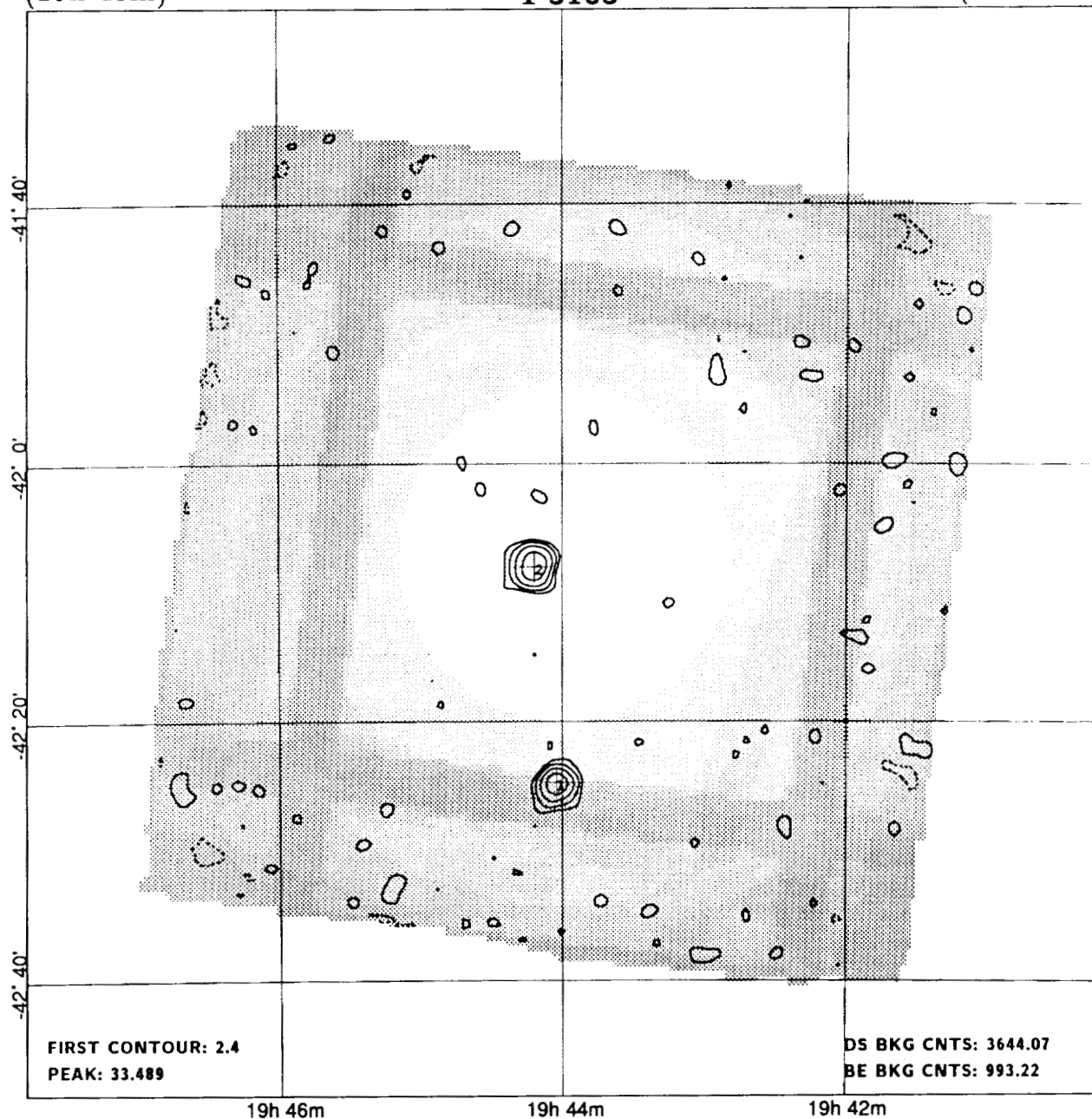
DATE: 1980/129 - 1980/129
 LIVETIME: 8576.1s
 ROLL ANGLE: -68.8°

NH: $2.0E+21$
 REF/ID:
 FIELD FLAGS:

(19h 43m)

I 3185

(19h 43m)



OLD NOVAE: CD-42

FIELD CENTER: $19^h 43^m 59.8^s$ $-42^\circ 06' 59''$ (B1950)
 $19^h 47^m 27.5^s$ $-41^\circ 59' 33''$ (J2000)
 $l: 357.48$ $b: -27.72$

DATE: 1979/ 88 - 1979/298
 LIVETIME: 2952.9s

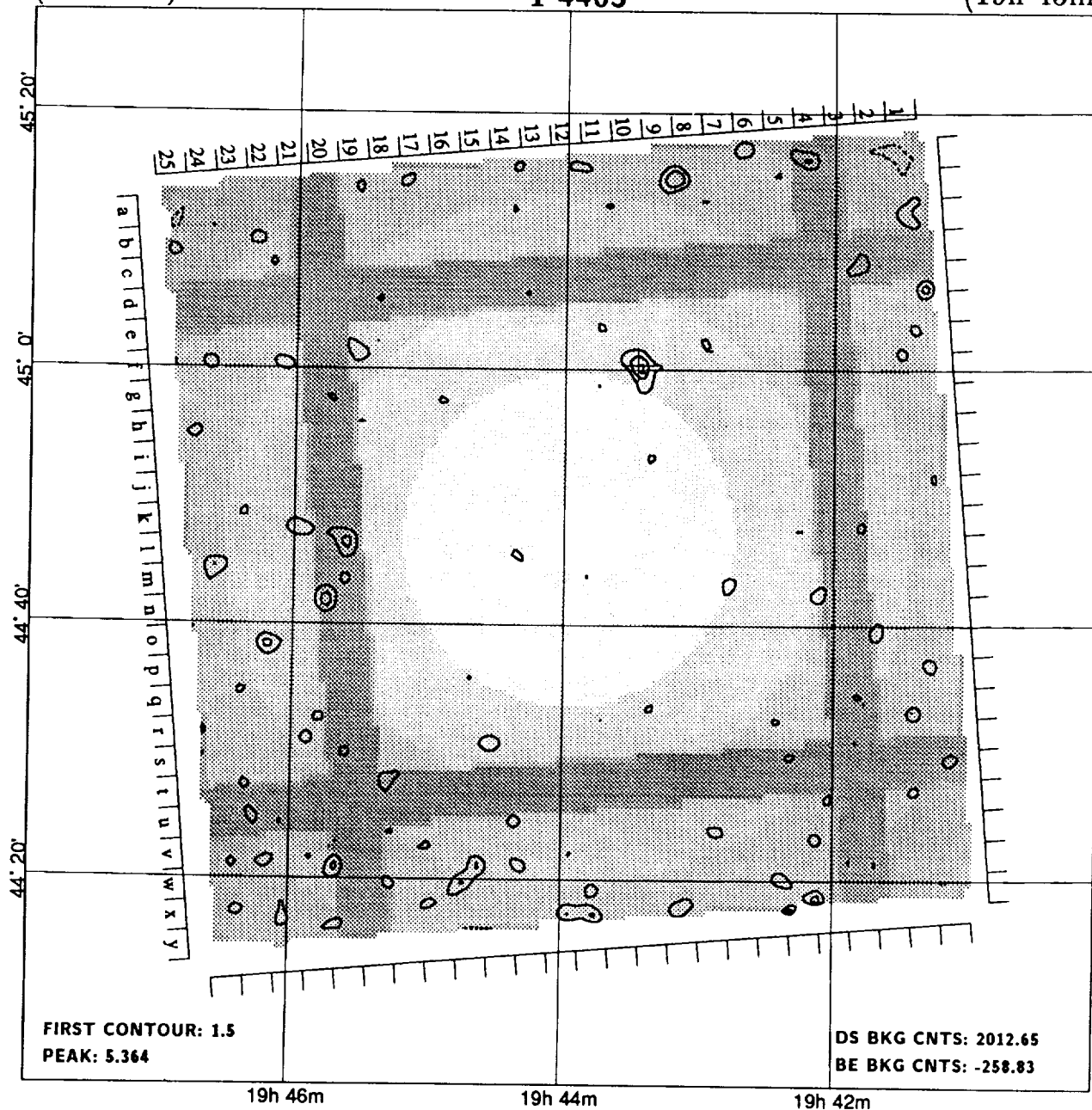
NH: $6.3E+20$
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4289	1	19 44 02.6	-42 24 43	48	*0.0511	0.0059	82.8	7.2	8.7	1.0	906	17.7	H	
4290	2	19 44 11.8	-42 08 00	31	0.0690	0.0059	149.6	11.4	11.8	1.1	0	2.5	H	CV

(19h 43m)

I 4403

(19h 43m)



GAMMA RAY BURST SOURCE

FIELD CENTER: $19^{\text{h}}43^{\text{m}}59.8^{\text{s}}$ $44^{\circ}45'59''$ (B1950)
 $19^{\text{h}}45^{\text{m}}34.0^{\text{s}}$ $44^{\circ}53'22''$ (J2000)
 ℓ : 78.54 b : 10.04

DATE: 1979/201 - 1979/201
 LIVETIME: 1630.9s
 ROLL ANGLE: 85.3°

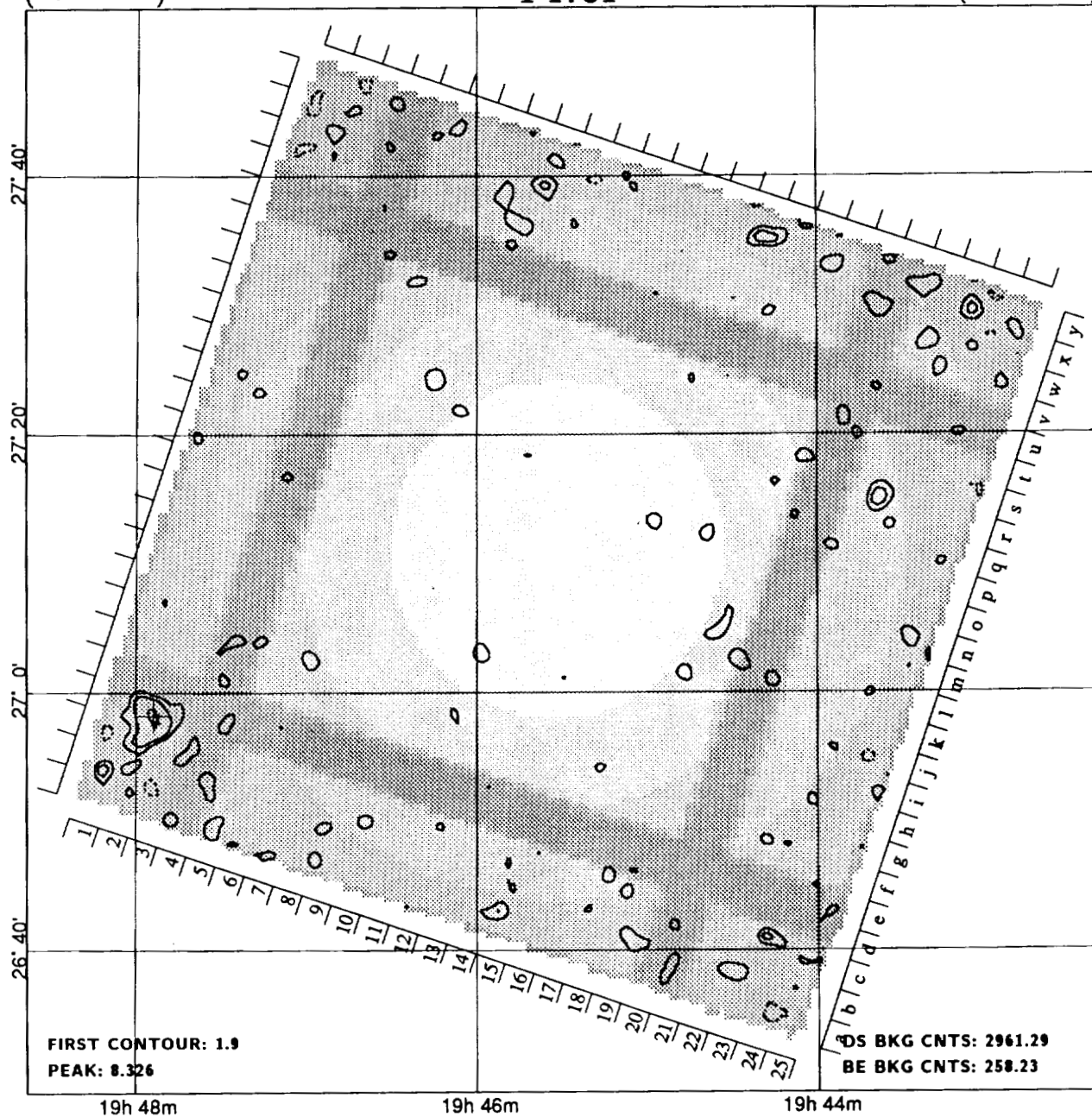
NH: $2.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
4288	1	19 43 27.7	45 00 20	55	0.0160	0.0045	15.6	3.4	3.6	0.9	0	15.5	AH	S

(19h 45m)

I 1751

(19h 45m)



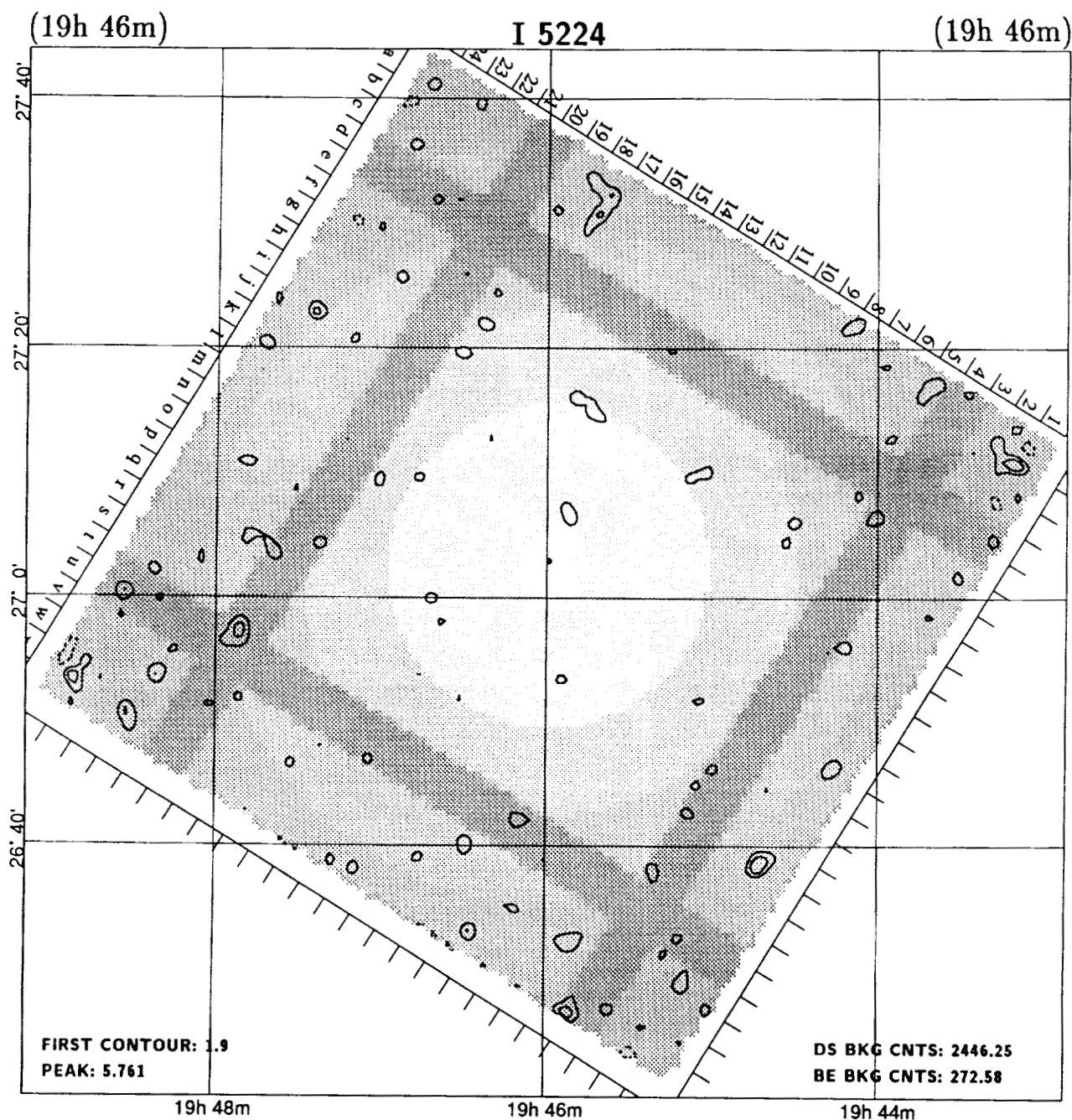
CK VUL, OPTICAL NOVA

FIELD CENTER: $19^h 45^m 30.0^s$ $27^\circ 10' 58''$ (B1950)
 $19^h 47^m 33.0^s$ $27^\circ 18' 27''$ (J2000)
 $l: 63.37$ $b: 1.00$

DATE: 1980/121 - 1980/121
 LIVETIME: 2485.8s
 ROLL ANGLE: -71.5°

NH: $9.5E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4292	1	19 47 53.8	26 58 11	56	*0.0241	0.0065	16.9	4.1	3.7	1.5	905	34.8	H



NOVA LV VUL,X-RAYS FROM RECENT NOVAE

FIELD CENTER: $19^h 46^m 00.0^s$ $27^\circ 01' 58''$ (B1950)
 $19^h 48^m 03.2^s$ $27^\circ 09' 29''$ (J2000)
 l : 63.30 b : 0.83

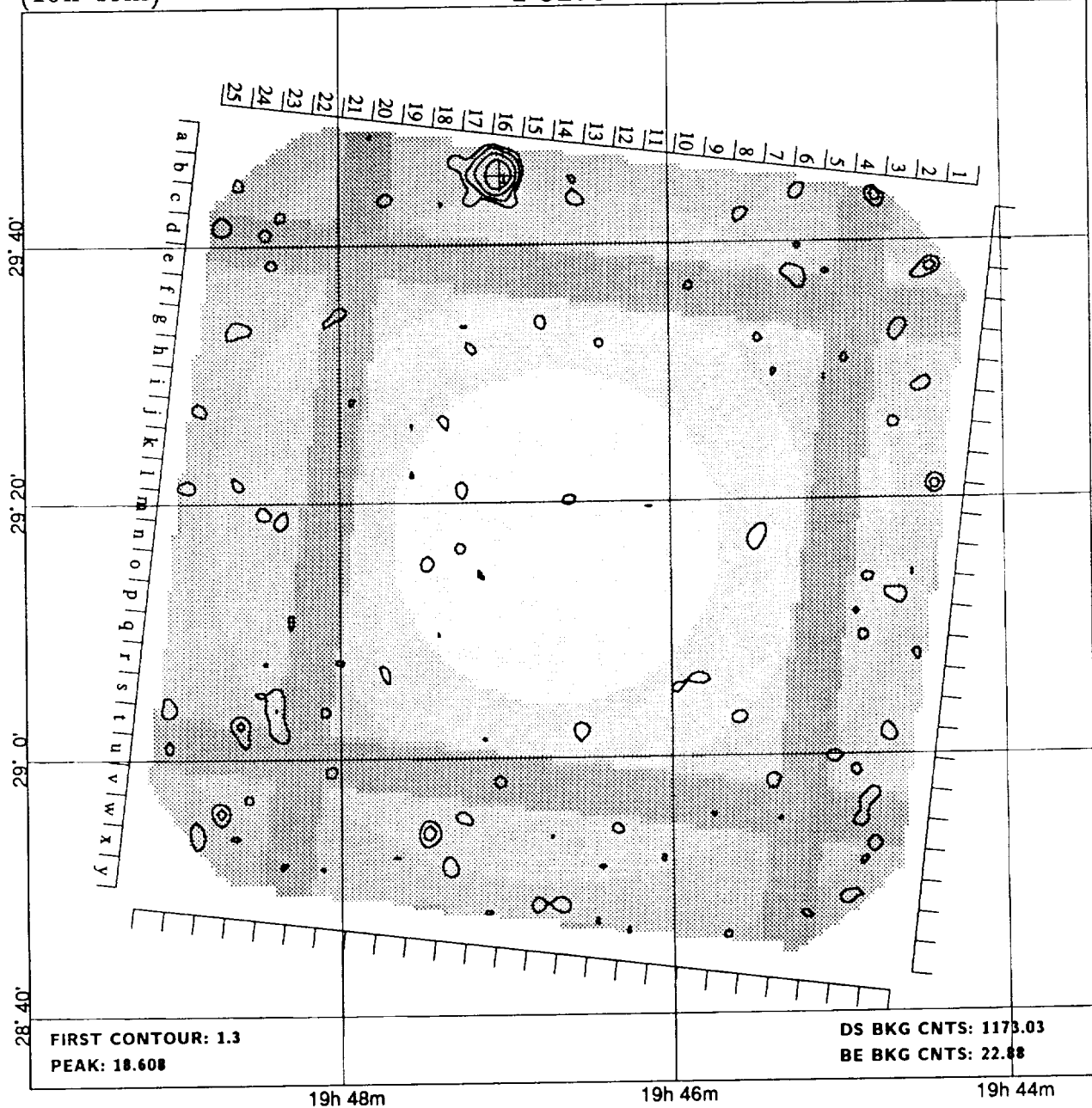
DATE: 1979/324 - 1979/324
 LIVETIME: 1982.3s
 ROLL ANGLE: 121.5°

NH: $9.7E+21$
 REF/ID:
 FIELD FLAGS:

(19h 46m)

I 3279

(19h 46m)



CANDIDATE X-RAY BINARY SOURCES: HD 187399

FIELD CENTER: $19^{\text{h}}46^{\text{m}}41.2^{\text{s}}$ $29^{\circ}16'35''$ (B1950)
 $19^{\text{h}}48^{\text{m}}41.5^{\text{s}}$ $29^{\circ}24'09''$ (J2000)
 $l: 65.30$ $b: 1.84$

DATE: 1979/291 - 1979/291
 LIVETIME: 950.5s
 ROLL ANGLE: 96.7°

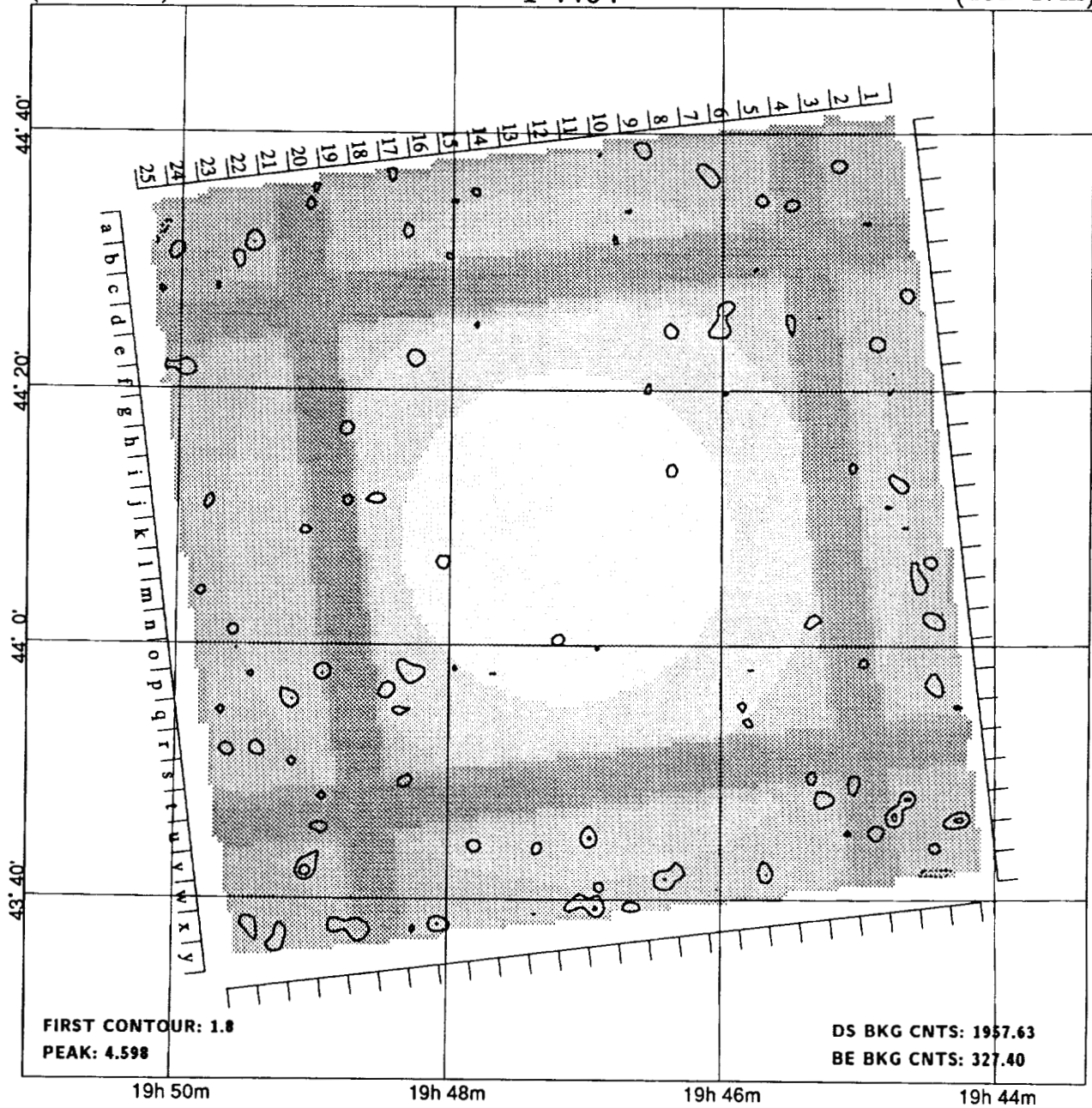
NH: $8.7\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4291	1	19 47 01.2	29 45 24	50	0.119	0.019	42.2	1.8	6.4	1.3	0	28.7	H	

(19h 47m)

I 4404

(19h 47m)



FIELD CENTER: $19^h 47^m 11.8^s$ $44^\circ 07' 59''$ (B1950)
 $19^h 48^m 47.7^s$ $44^\circ 15' 34''$ (J2000)
 ℓ : 78.27 b : 9.23

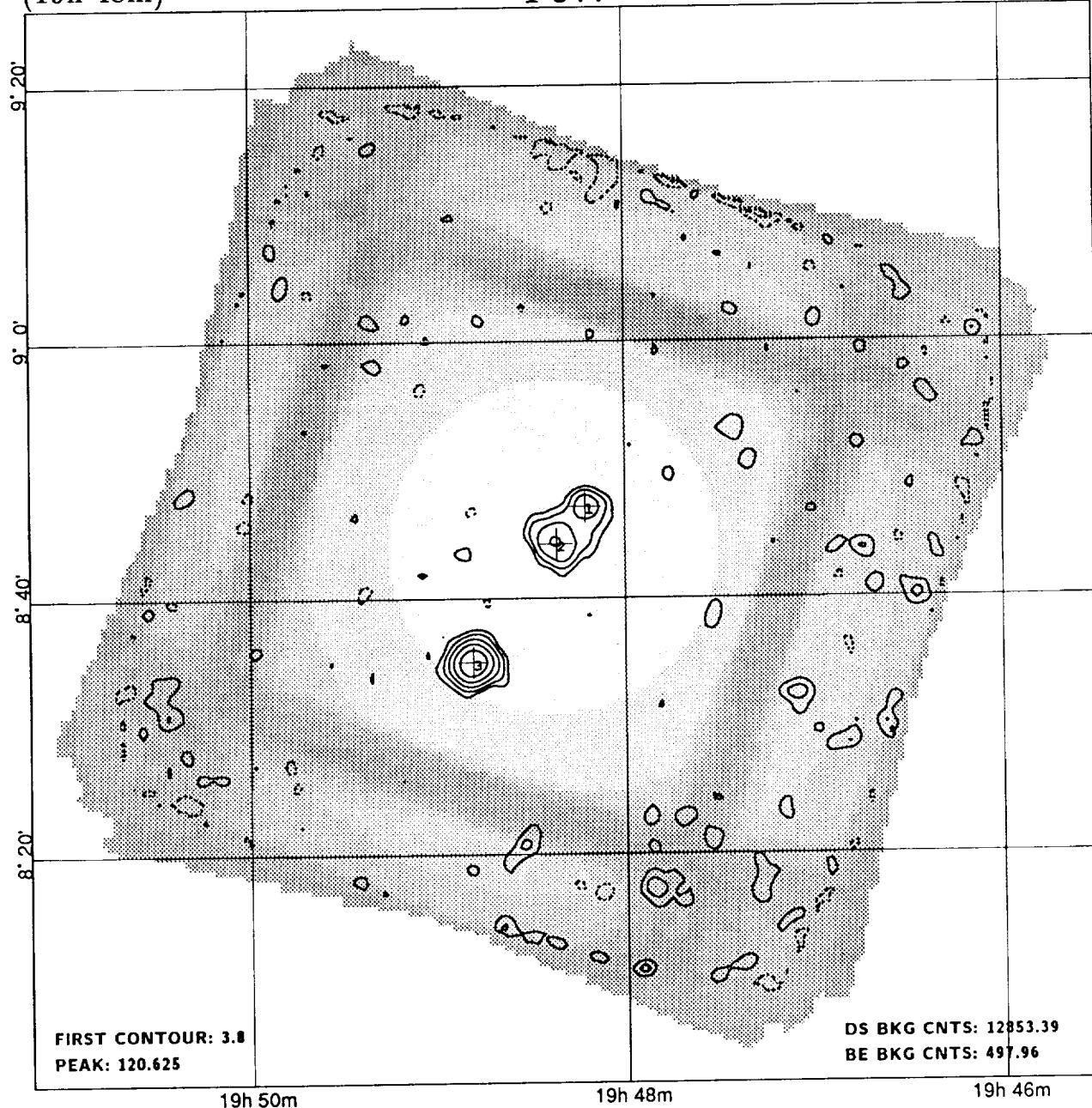
DATE: 1979/279 - 1979/279
 LIVETIME: 1586.3s
 ROLL ANGLE: 83.1°

NH: $2.2E+21$
 REF/ID:
 FIELD FLAGS:

(19h 48m)

I 844

(19h 48m)



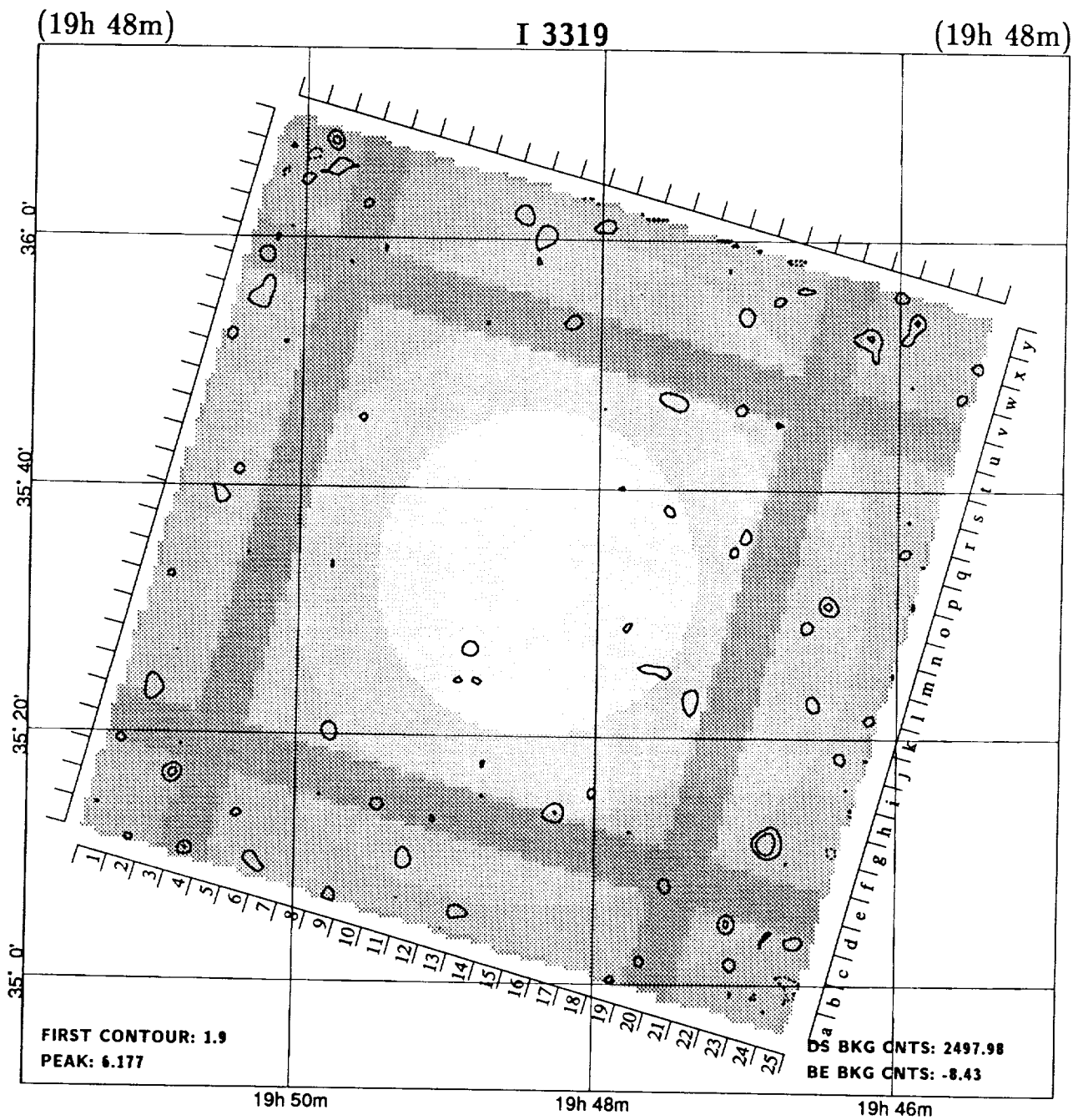
ALPHA AQL (ALTAIR) STELLAR OBSERVATIONS, A STARS

FIELD CENTER: $19^{\text{h}}48^{\text{m}}20.3^{\text{s}}$ $08^{\circ}44'04''$ (B1950)
 $19^{\text{h}}50^{\text{m}}44.9^{\text{s}}$ $08^{\circ}51'46''$ (J2000)
 $l: 47.73$ $b: -8.90$

DATE: 1979/294 - 1980/128
 LIVETIME: 10415.4s

NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4293	1	19 48 12.8	08 47 08	31	0.0132	0.0015	99.1	35.9	8.5	3.0	0	3.8	H	S
4294	2	19 48 22.0	08 44 13	31	0.0195	0.0017	151.6	32.4	11.2	2.6	0	1.3	H	S
4295	3	19 48 48.9	08 35 00	37	0.0626	0.0031	426.1	28.9	20.0	1.2	0	11.4	H	S



SYMBIOTIC STARS: CI CYG

FIELD CENTER: $19^{\text{h}}48^{\text{m}}20.8^{\text{s}}$ $35^{\circ}33'23''$ (B1950)
 $19^{\text{h}}50^{\text{m}}12.1^{\text{s}}$ $35^{\circ}41'03''$ (J2000)
 $l: 70.90$ $b: 4.74$

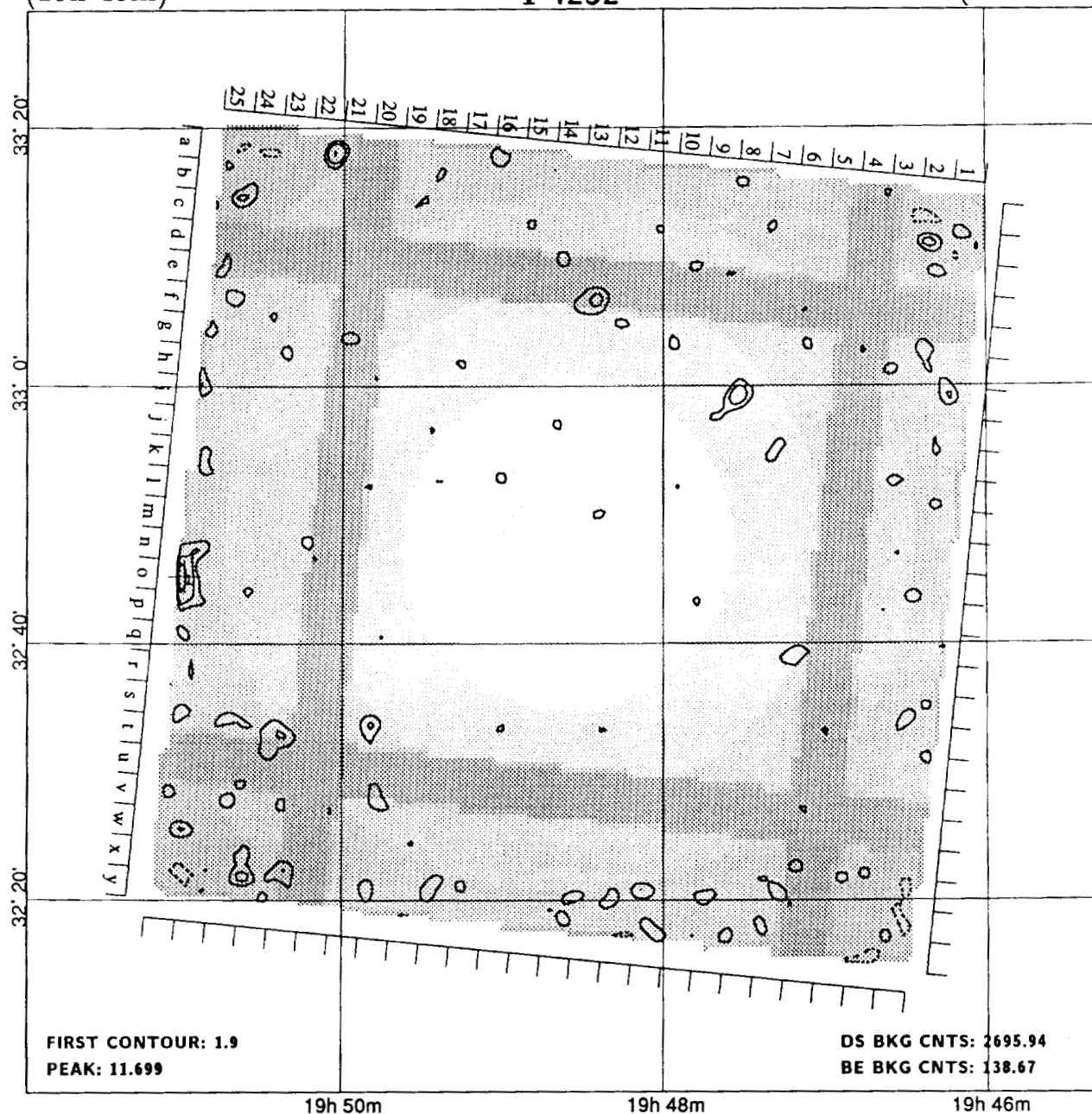
DATE: 1979/117 - 1979/117
 LIVETIME: 2024.2s
 ROLL ANGLE: -74.4°

NH: $4.4\text{E}+21$
 REF/ID: !
 FIELD FLAGS:

(19h 48m)

I 4232

(19h 48m)



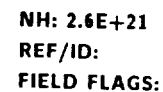
FIELD CENTER: $19^{\text{h}}48^{\text{m}}37.8^{\text{s}}$ $32^{\circ}47'11''$ (B1950)
 $19^{\text{h}}50^{\text{m}}33.3^{\text{s}}$ $32^{\circ}54'53''$ (J2000)
 ℓ : 68.54 b : 3.28

DATE: 1979/291 - 1979/291
 LIVETIME: 2184.6s
 ROLL ANGLE: 95.6°

NH: $6.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4297	1	19 50 58.9	32 45 11	55	*0.0305	0.0079	17.3	2.7	3.9	1.3	906	29.8	AEH	SNR

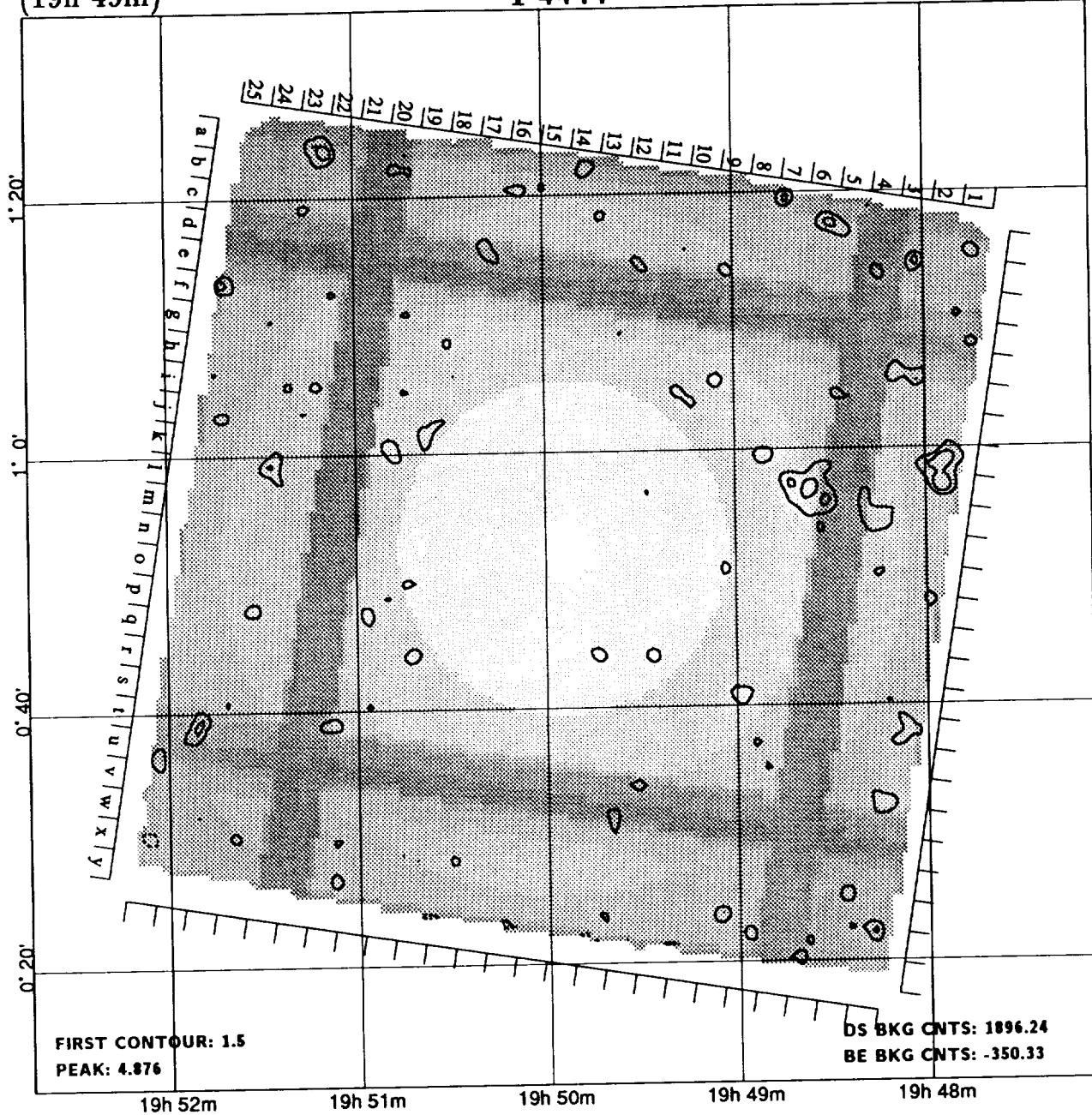
(19h 48m)



(19h 49m)

I 4444

(19h 49m)

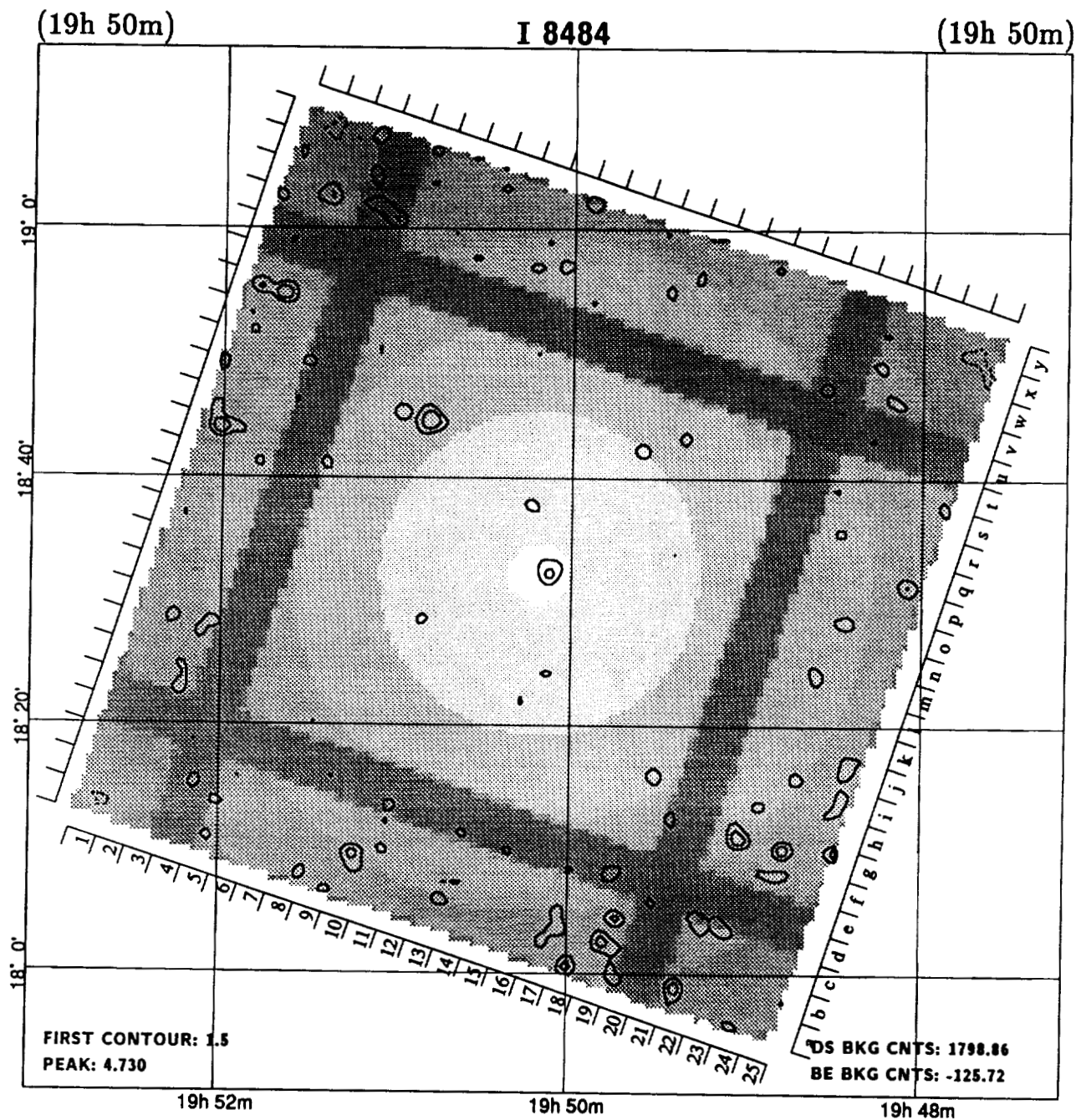


ETA AQL, CORRELATION OF X RAYS WITH STELLAR WIND AND ROTATION

FIELD CENTER: $19^{\text{h}}49^{\text{m}}55.9^{\text{s}}\ 00^{\circ}52'32''$ (B1950)
 $19^{\text{h}}52^{\text{m}}28.7^{\text{s}}\ 01^{\circ}00'20''$ (J2000)
 $l: 40.94\ b: -13.07$

DATE: 1979/290 - 1979/290
 LIVETIME: 1536.6s
 ROLL ANGLE: 99.0°

NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:



HD 188001, EARLY O TYPE AND SUPERGIANTS

FIELD CENTER: $19^{\text{h}}50^{\text{m}}07.7^{\text{s}}$ $18^{\circ}32'31''$ (B1950)
 $19^{\text{h}}52^{\text{m}}21.6^{\text{s}}$ $18^{\circ}40'19''$ (J2000)
 $l: 56.48$ $b: -4.33$

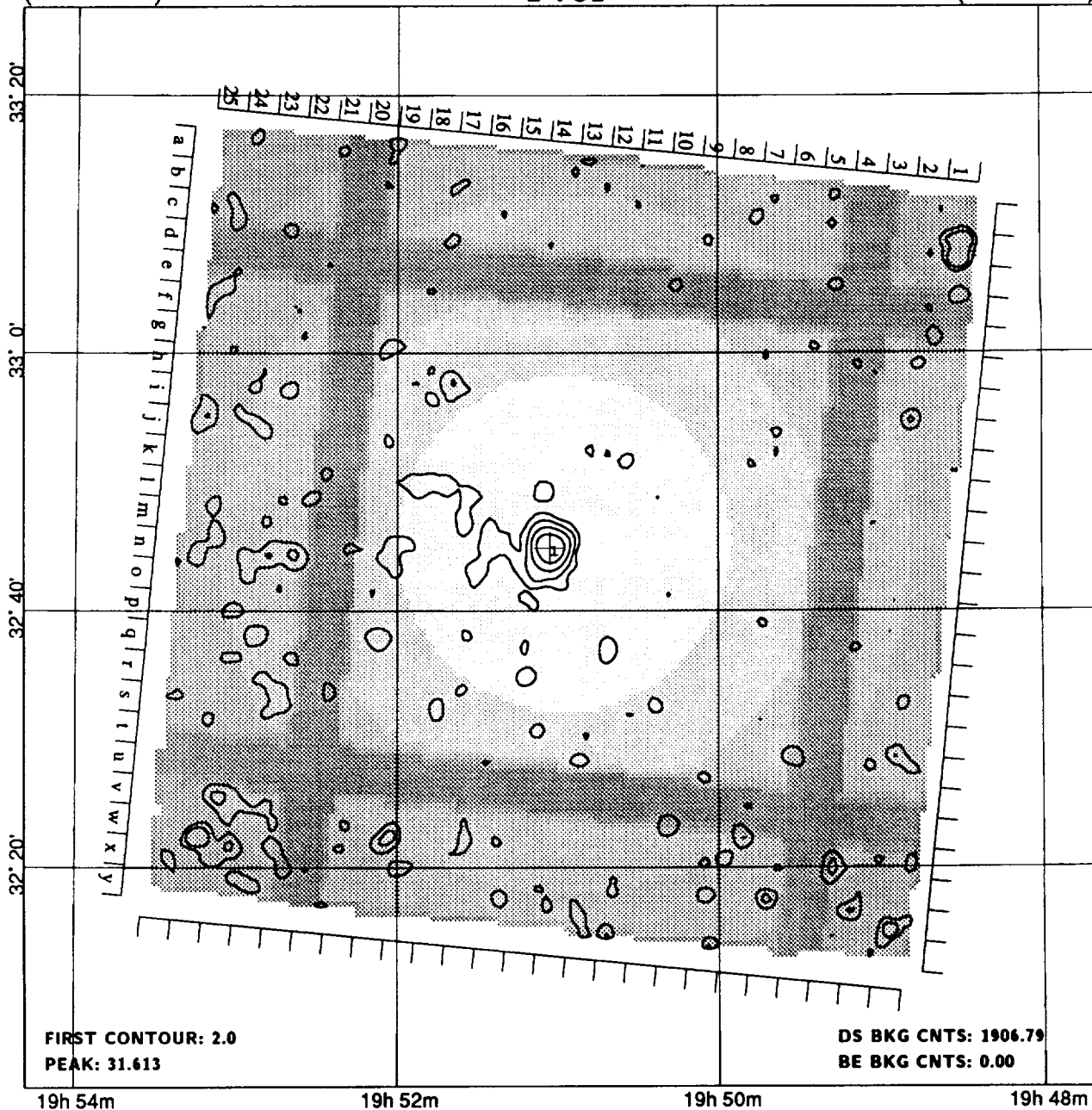
DATE: 1980/127 - 1980/127
 LIVETIME: 1510.0s
 ROLL ANGLE: -72.0°

NH: $3.0\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(19h 50m)

I 781

(19h 50m)



CTB 80 SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: $19^h 50^m 59.8^s$ $32^\circ 44' 59''$ (B1950)
 $19^h 52^m 55.5^s$ $32^\circ 52' 50''$ (J2000)
 ℓ : 68.76 b : 2.83

DATE: 1979/291 - 1979/291
 LIVETIME: 1545.1s
 ROLL ANGLE: 95.6°

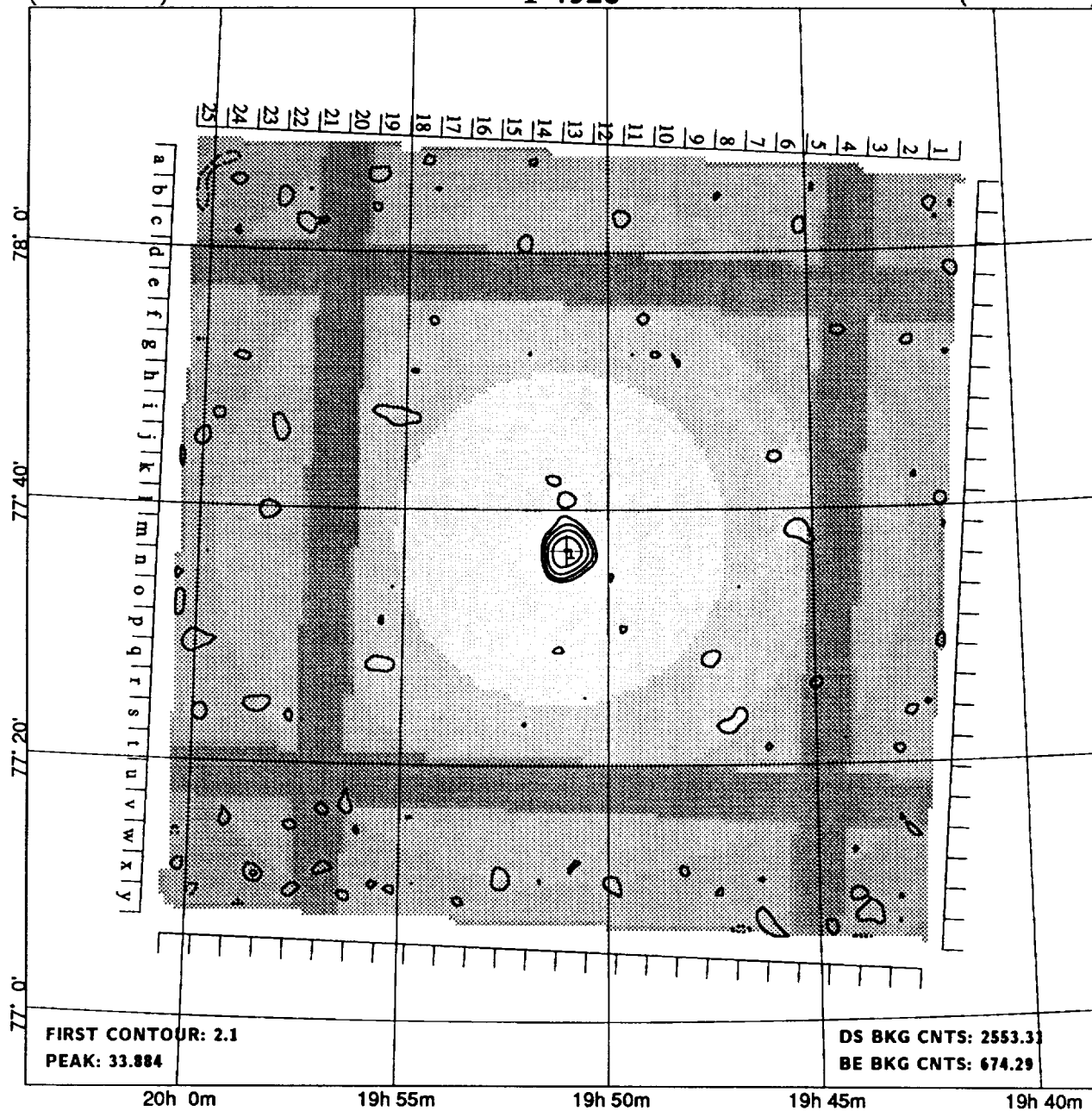
NH: $7.7E+21$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4297	1L	19 51 02.8	32 44 52	31	0.107	0.012	123.2	17.8	9.0	1.5	0	0.6	A	SNR

(19h 51m)

I 4928

(19h 51m)



FIELD CENTER: 19^h51^m06.7^s 77°37'05" (B1950)
19^h49^m09.3^s 77°44'48" (J2000)
 ℓ : 109.98 b : 23.49

DATE: 1979/296 - 1979/296
LIVETIME: 2069.0s
ROLL ANGLE: 92.5°

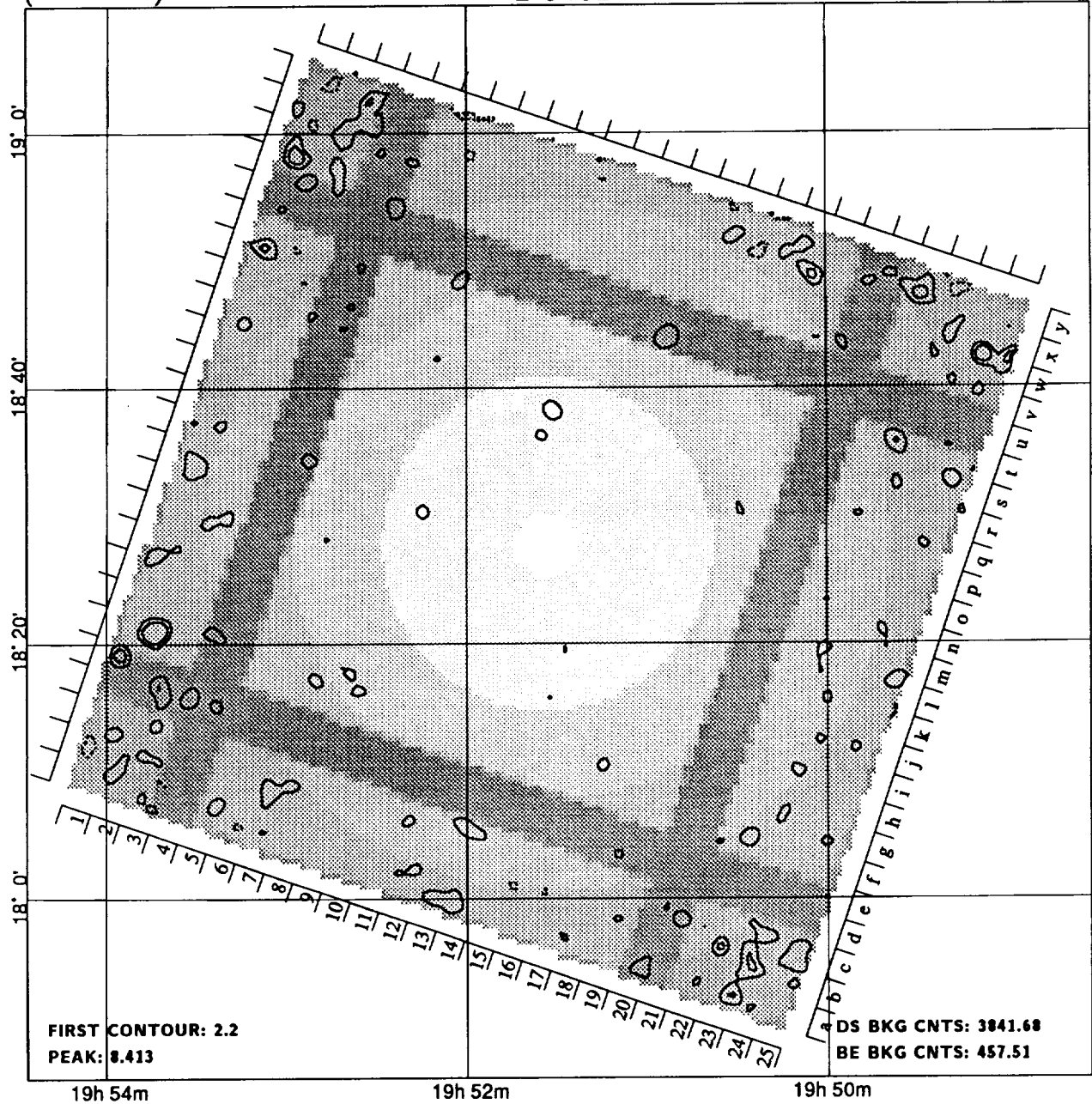
NH: 8.2E+20
REF/ID: CV
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4296	1	19 51 01.5	77 36 48	31	0.0943	0.0080	145.2	7.8	11.7	1.2	0	0.4	H	CV

(19h 51m)

I 6462

(19h 51m)



NGC 6838, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $19^{\text{h}}51^{\text{m}}29.8^{\text{s}}$ $18^{\circ}27'59''$ (B1950)
 $19^{\text{h}}53^{\text{m}}43.8^{\text{s}}$ $18^{\circ}35'52''$ (J2000)
 $l: 56.58$ $b: -4.65$

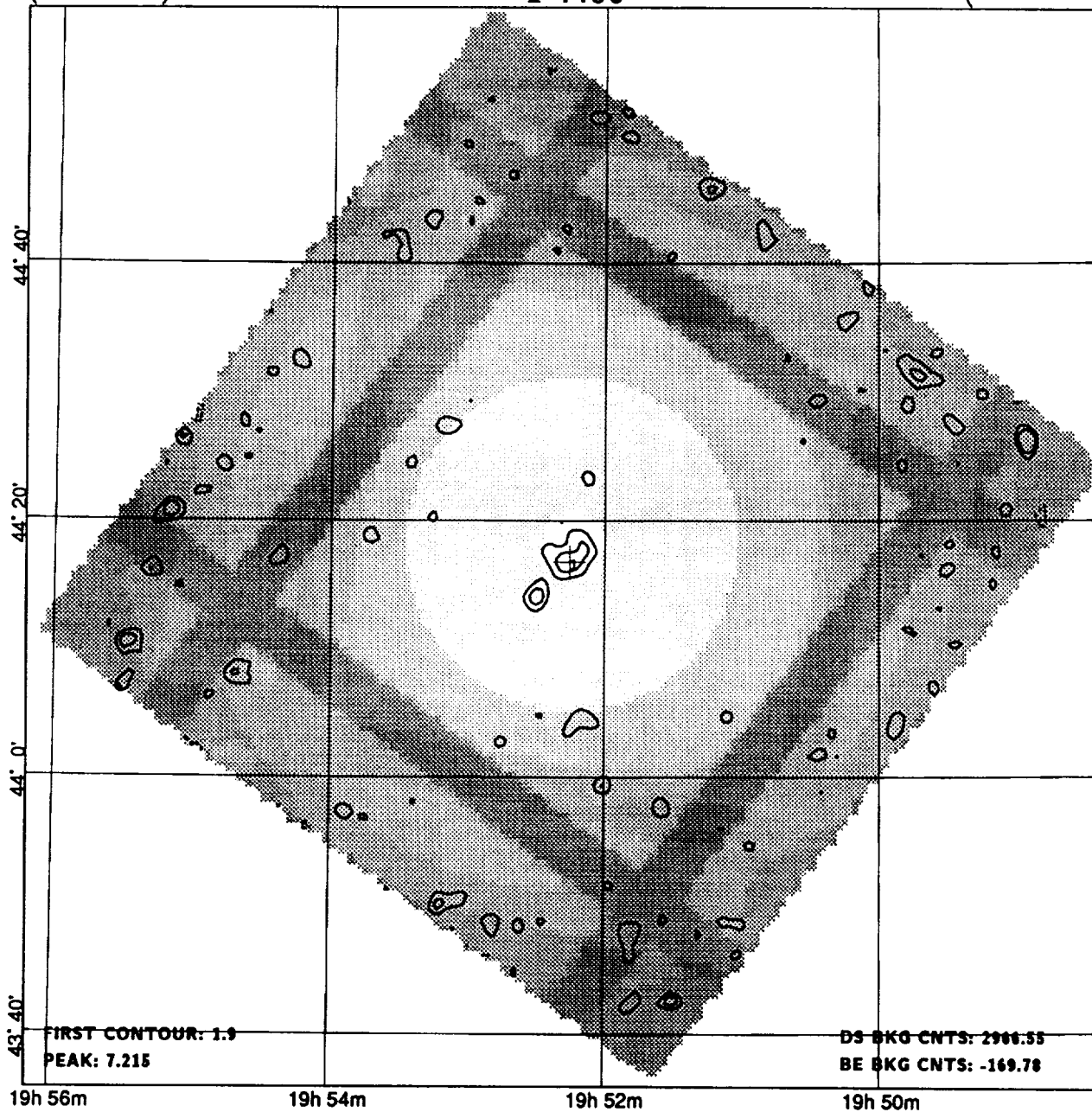
DATE: 1980/129 - 1980/129
 LIVETIME: 3224.8s
 ROLL ANGLE: -71.2°

NH: $2.9\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(19h 52m)

I 4406

(19h 52m)



GAMMA RAY BURST SOURCE

FIELD CENTER: 19^h52^m17.8^s 44°17'59" (B1950)
 19^h53^m54.1^s 44°25'54" (J2000)
 l : 78.87 b : 8.52

DATE: 1979/301 - 1979/328
 LIVETIME: 2403.9s

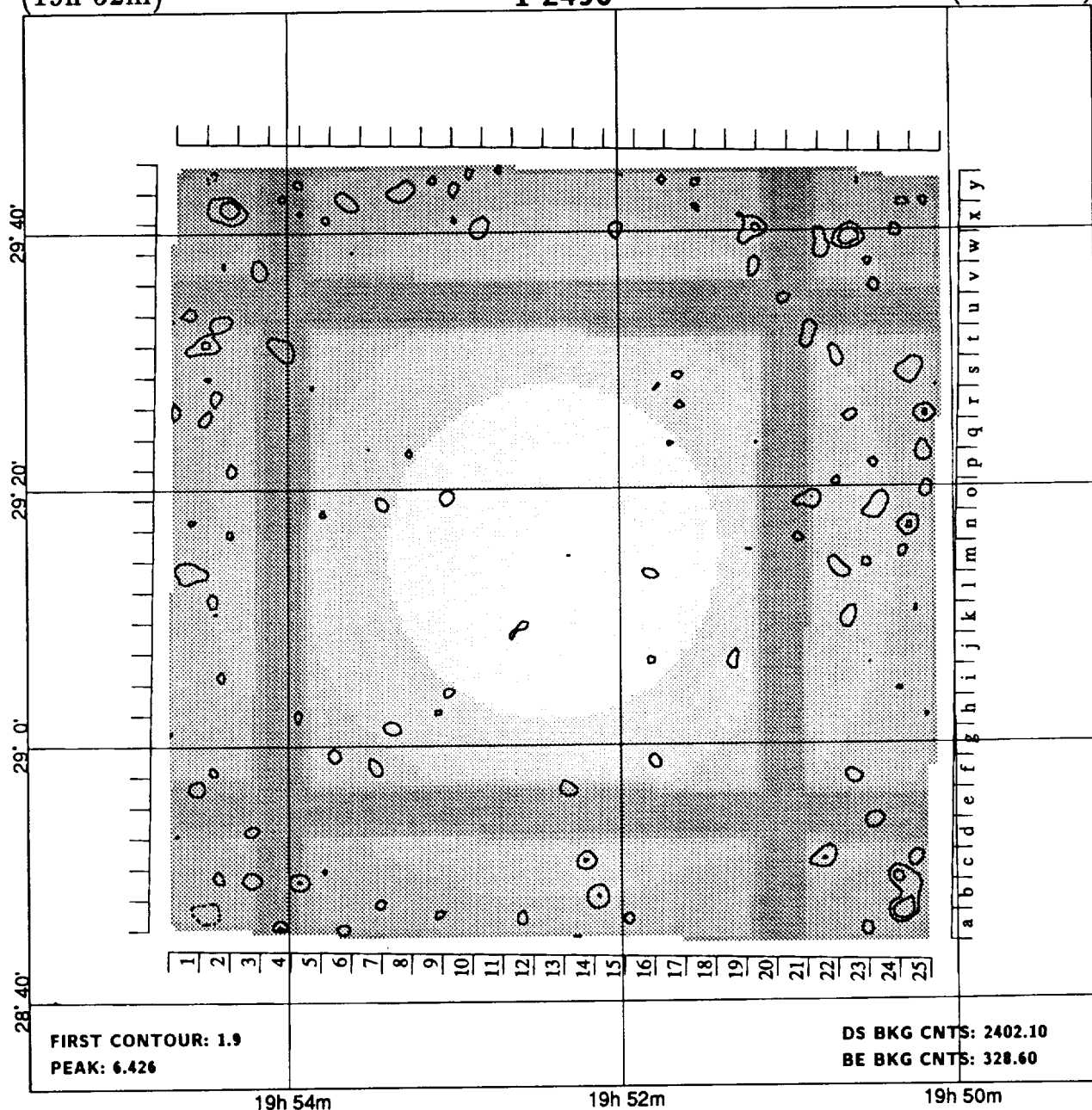
NH: 2.9E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4298	1	19 52 15.5	44 16 45	37	0.0134	0.0031	23.8	6.2	4.3	1.2	0	1.3	H	

(19h 52m)

I 2496

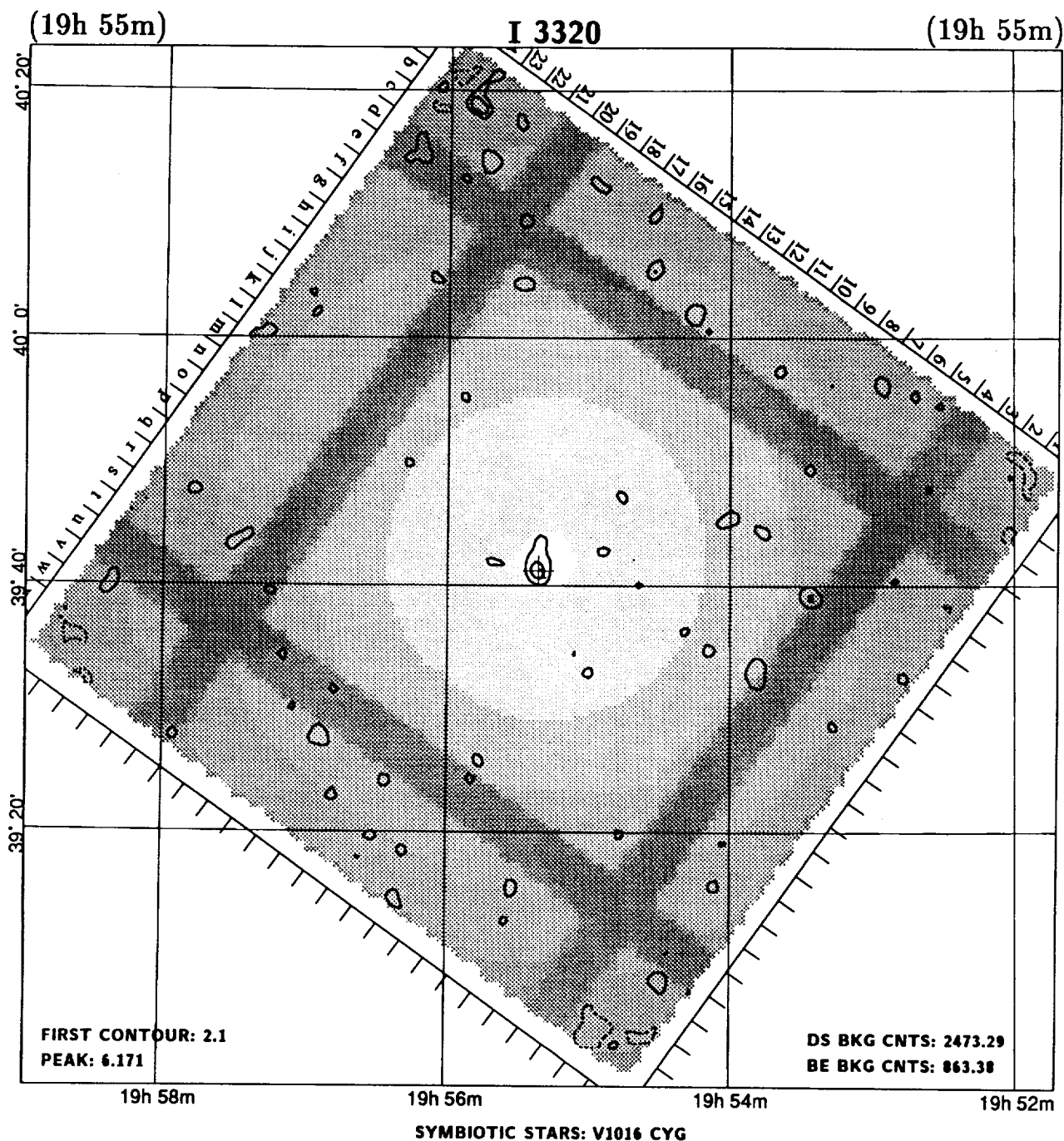
(19h 52m)

**1952+29K: SURVEY OF NEARBY RADIO PULSARS**

FIELD CENTER: $19^{\text{h}}52^{\text{m}}21.0^{\text{s}}$ $29^{\circ}15'21''$ (B1950)
 $19^{\text{h}}54^{\text{m}}22.5^{\text{s}}$ $29^{\circ}23'17''$ (J2000)
 $l: 65.92$ $b: 0.77$

DATE: 1979/ 98 - 1979/ 99
LIVETIME: 1946.5s
ROLL ANGLE: -89.0°

NH: $9.2\text{E}+21$
REF/ID:
FIELD FLAGS:

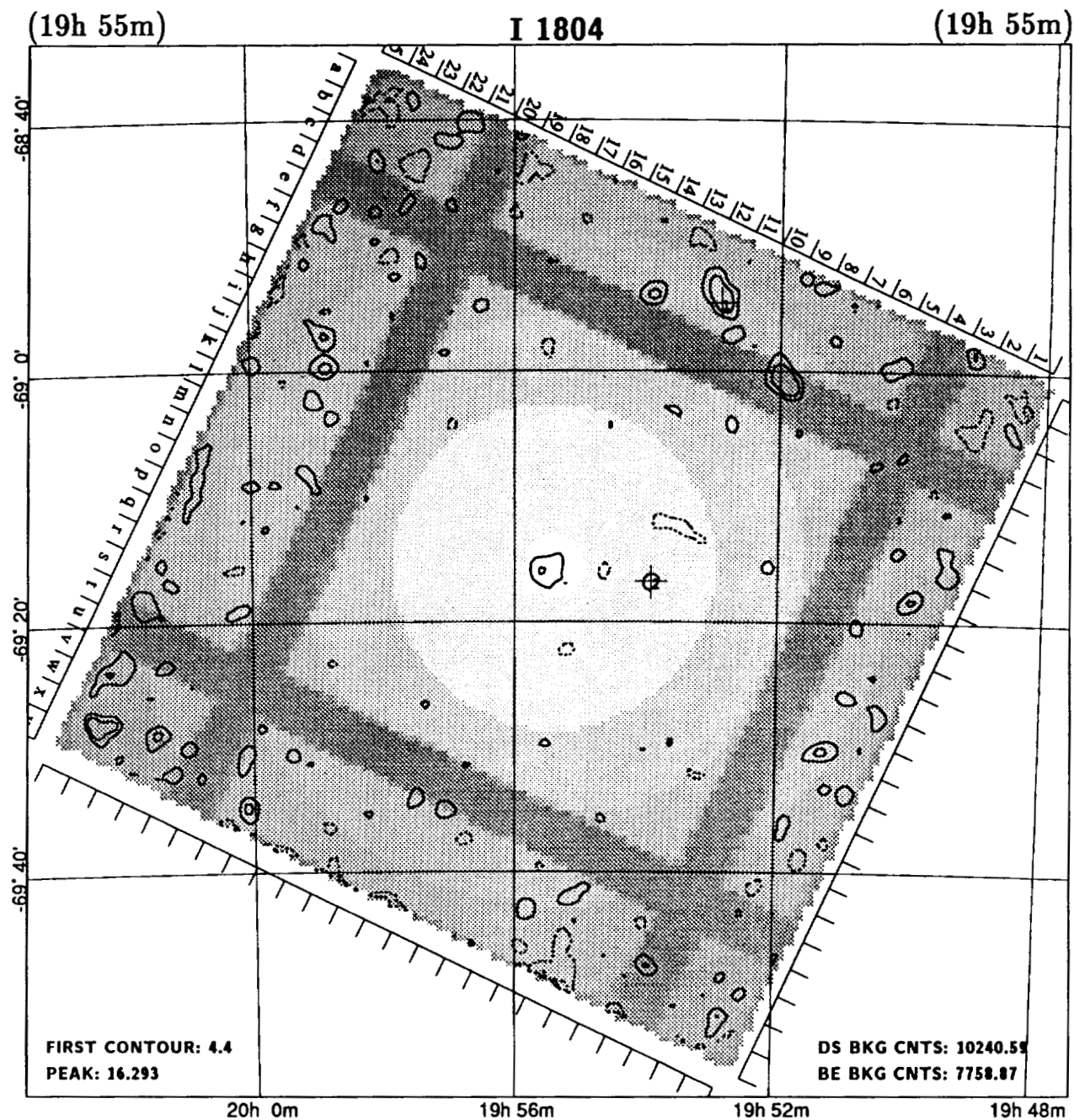


FIELD CENTER: 19^h55^m19.6^s 39°41'29" (B1950)
 19^h57^m04.8^s 39°49'36" (J2000)
 l : 75.17 b : 5.68

DATE: 1979/328 - 1979/328
LIVETIME: 2004.2s
ROLL ANGLE: 125.5°

NH: 3.3E+21
REF/ID: S
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4302	1	19 55 21.4	39 41 11	37	0.0159	0.0038	23.6	8.4	4.2	0.9	0	0.6	H	S



CA1955-692: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: $19^h 55^m 29.8^s$ $-69^\circ 15' 59''$ (B1950)
 $20^h 00^m 36.7^s$ $-69^\circ 07' 45''$ (J2000)
 $l: 326.41$ $b: -31.35$

DATE: 1979/278 - 1979/278
 LIVETIME: 8298.2s
 ROLL ANGLE: 115.5°

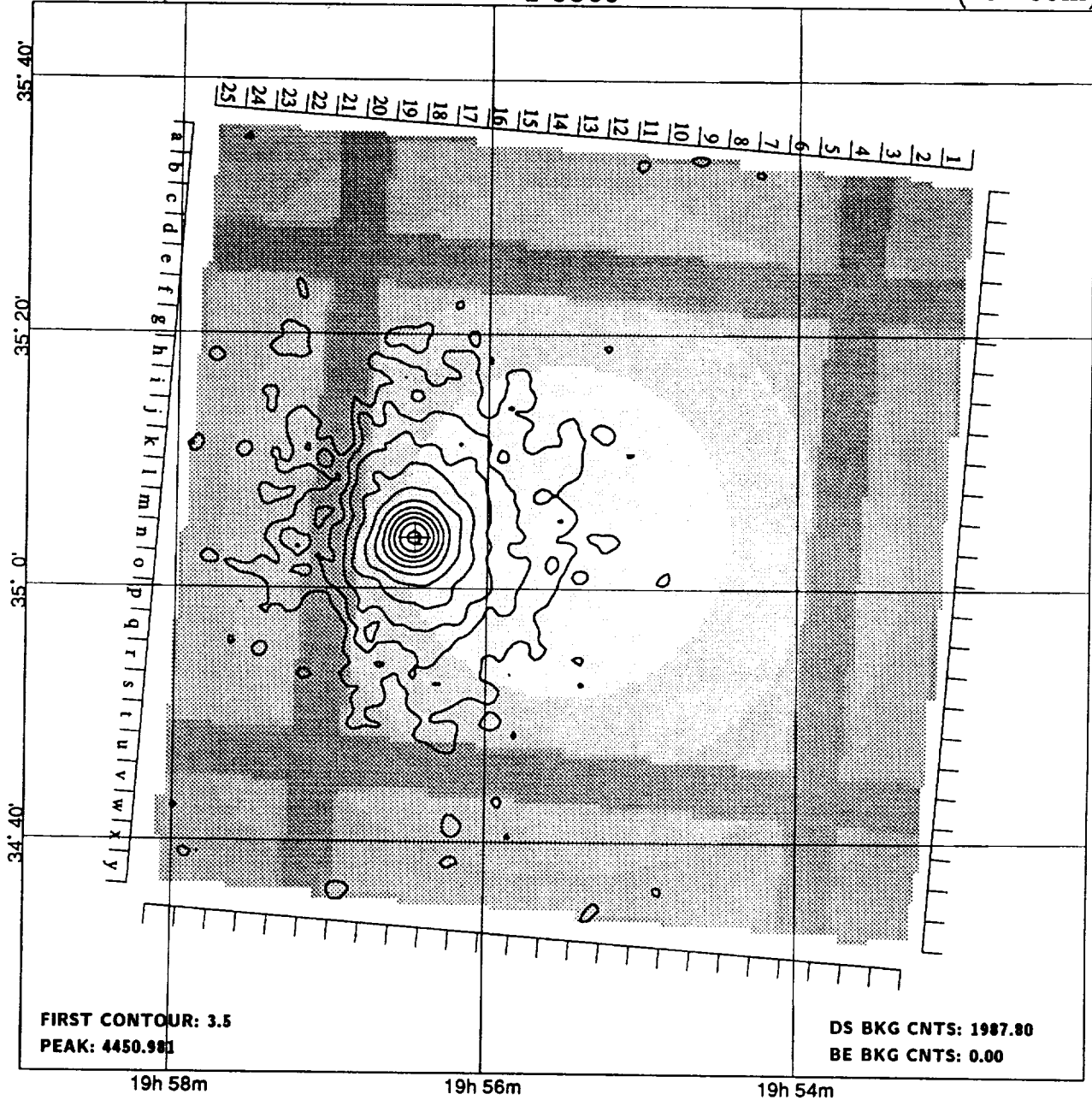
NH: $4.6E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4299	1L	19 52 53.3	-68 54 32	55	0.0116	0.0028	41.4	25.6	4.1	1.0	0	25.6		
4300	2L	19 53 55.5	-69 16 48	46	0.0067	0.0018	38.2	29.8	3.7	0.3	0	8.4		

(19h 55m)

I 3369

(19h 55m)



CYG X-1

FIELD CENTER: $19^h 55^m 32.4^s$ $35^\circ 03' 53''$ (B1950)
 $19^h 57^m 25.1^s$ $35^\circ 12' 01''$ (J2000)
 ℓ : 71.23 b : 3.23

DATE: 1979/291 - 1979/291
 LIVETIME: 1610.8s
 ROLL ANGLE: 94.4°

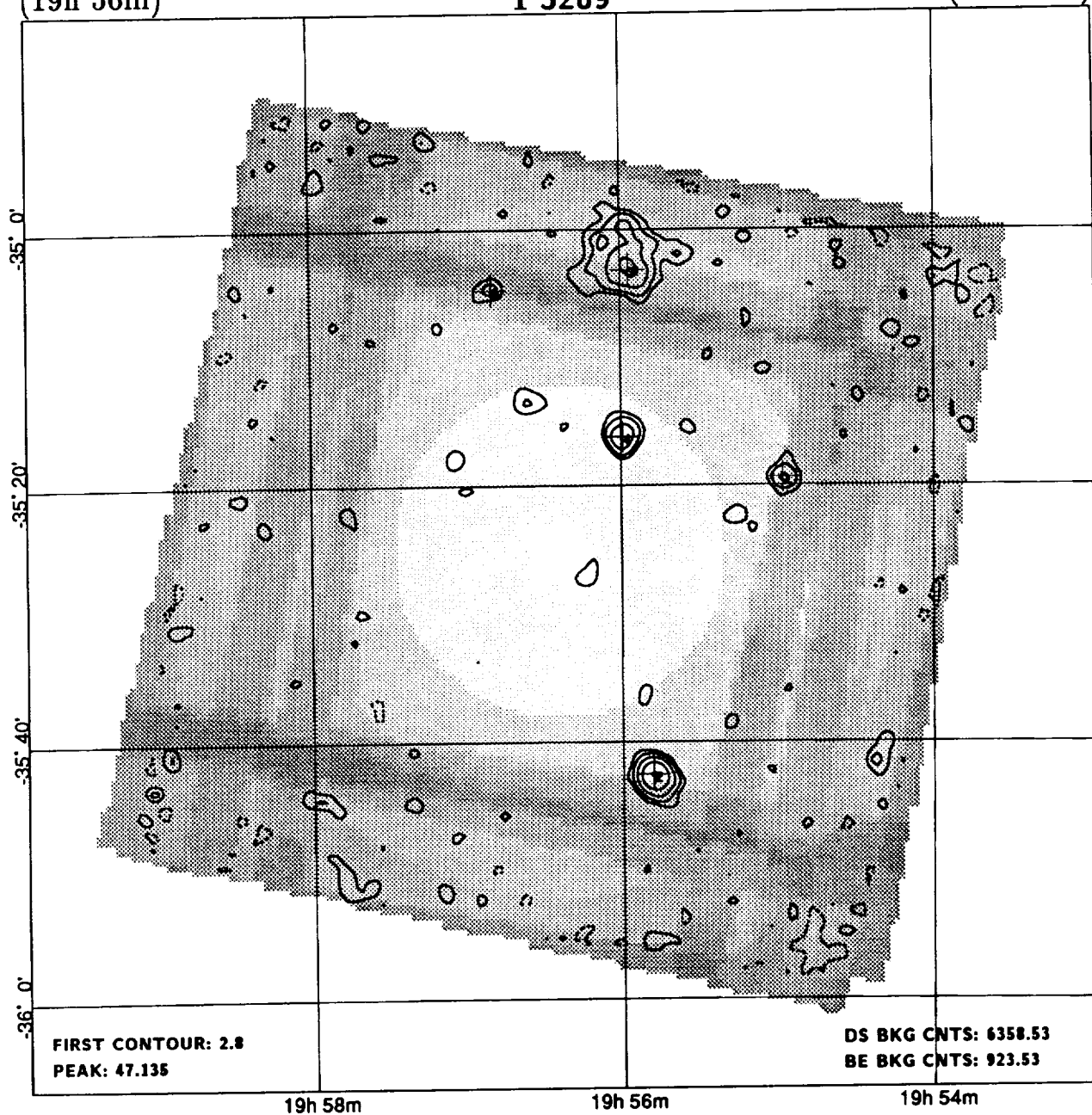
NH: $7.4E+21$
 REF/ID: G
 FIELD FLAGS: LT

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
4306	1L	19 56 28.2	35 03 58	37	12.95	0.13	13379.3	860.7	100.0	1.5	0	11.4	

(19h 56m)

I 3289

(19h 56m)



CANDIDATE X-RAY BINARY SOURCES: HD 189103

FIELD CENTER: $19^{\text{h}}56^{\text{m}}23.7^{\text{s}}$ $-35^{\circ}24'59''$ (B1950)
 $19^{\text{h}}59^{\text{m}}38.7^{\text{s}}$ $-35^{\circ}16'46''$ (J2000)
 $l: 5.51$ $b: -28.45$

DATE: 1979/ 98 - 1979/298
 LIVETIME: 5152.5s

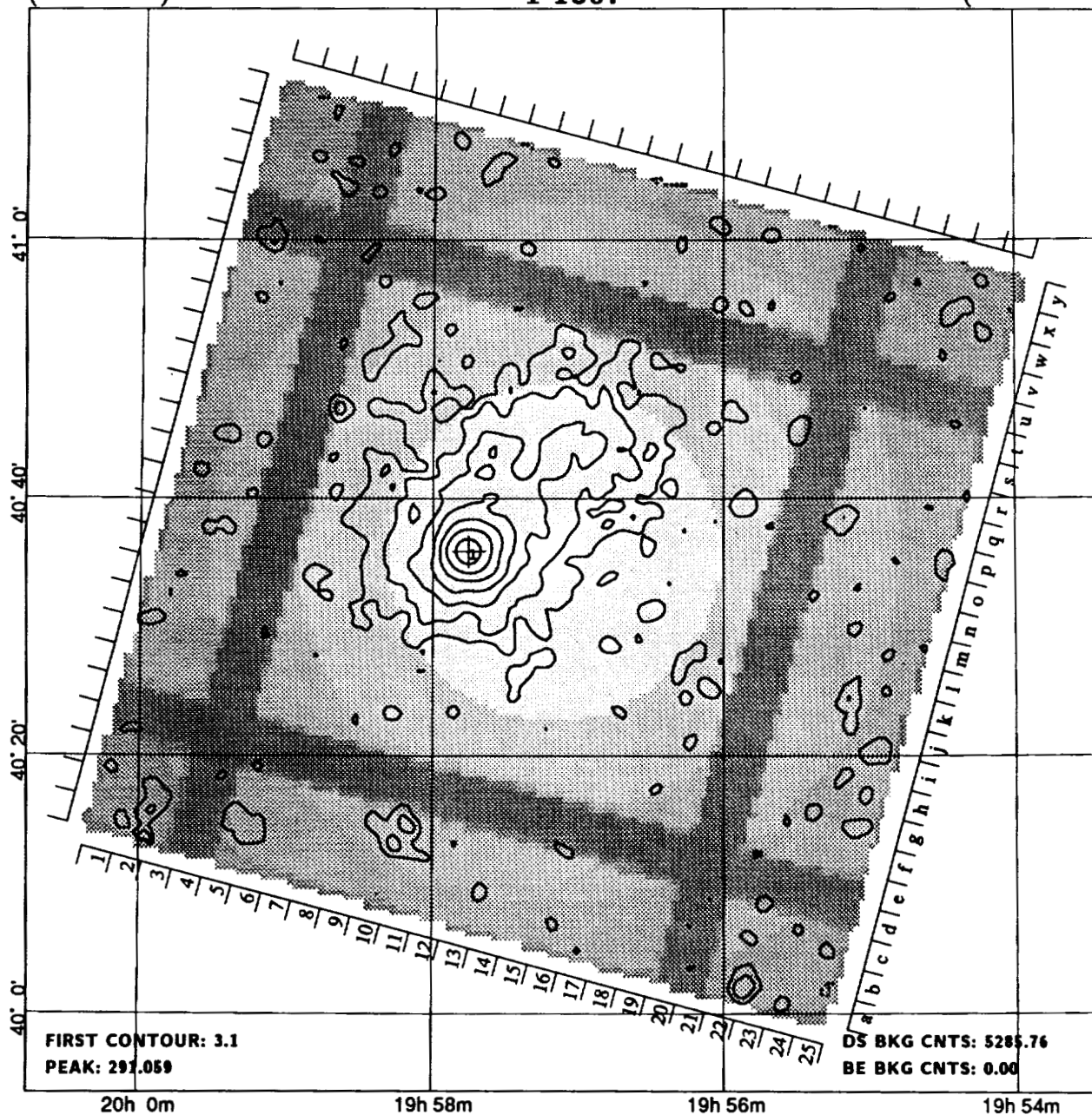
NH: $6.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4301	1	19 54 57.8	-35 19 21	51	*0.0108	0.0024	30.2	12.8	4.6	0.8	1006	18.6	
4303	2	19 55 48.2	-35 42 31	48	*0.0479	0.0044	130.7	13.3	10.9	1.0	603	18.8	H
4304	3	19 55 56.9	-35 03 06	49	*0.0337	0.0040	82.1	11.9	8.5	2.5	805	22.9	H
4305	4	19 55 59.3	-35 16 08	39	0.0212	0.0027	72.9	16.1	7.7	1.0	0	10.2	H
4307	5	19 56 49.8	-35 04 38	56	*0.0071	0.0020	18.2	7.8	3.6	0.6	1609	21.1	

(19h 57m)

I 1807

(19h 57m)



CYG A: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: $19^{\text{h}}57^{\text{m}}05.9^{\text{s}}$ $40^{\circ}35'59''$ (B1950)
 $19^{\text{h}}58^{\text{m}}49.7^{\text{s}}$ $40^{\circ}44'13''$ (J2000)
 $l: 76.13$ $b: 5.86$

DATE: 1979/118 - 1979/119

NH: 3.6E+21

LIVETIME: 4203.2s

REF/ID: G

ROLL ANGLE: -75.2°

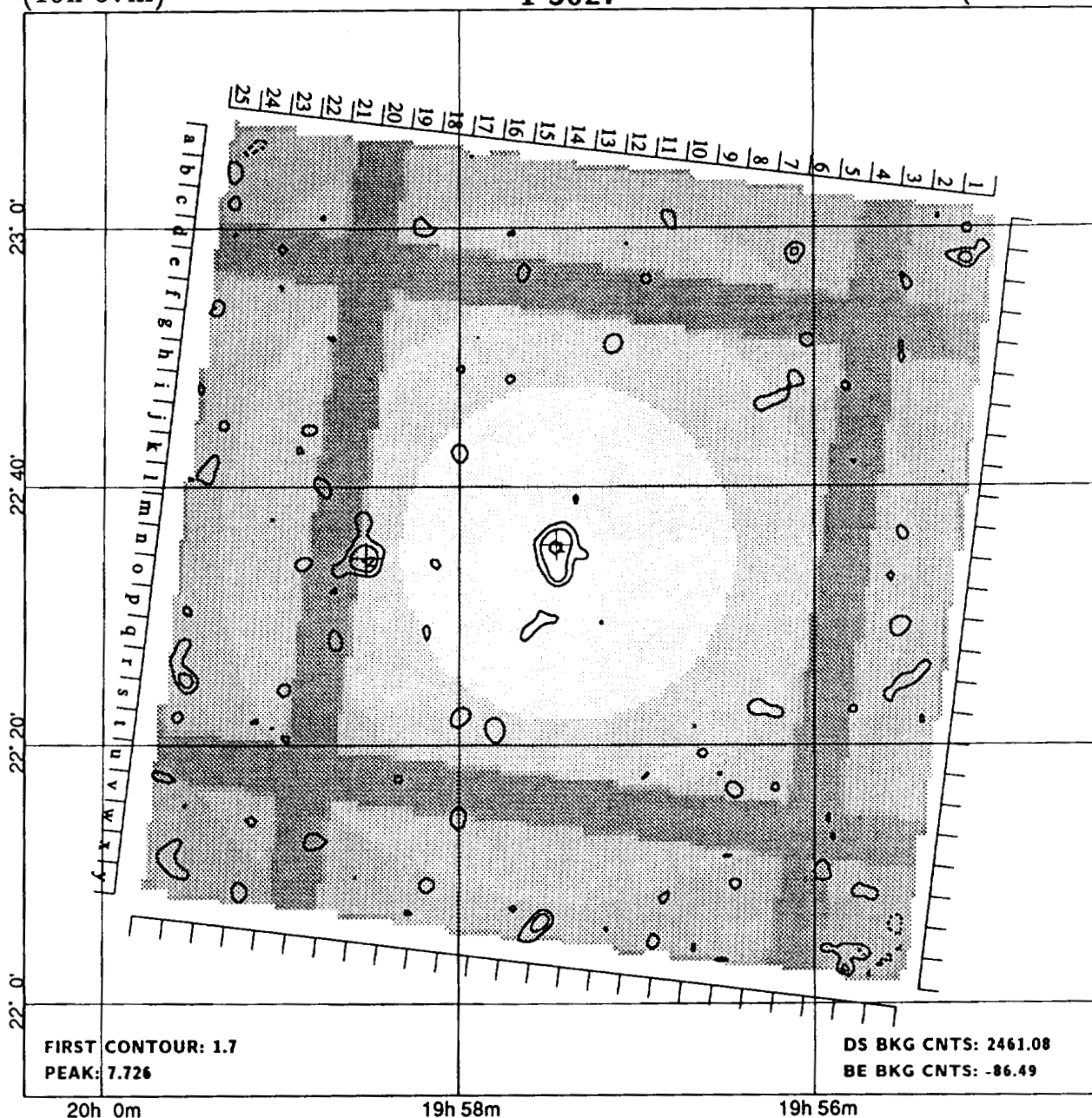
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4309	1L	19 57 45.2	40 35 51	37	0.296	0.014	884.8	412.2	20.6	3.7	0	7.5		

(19h 57m)

I 3027

(19h 57m)



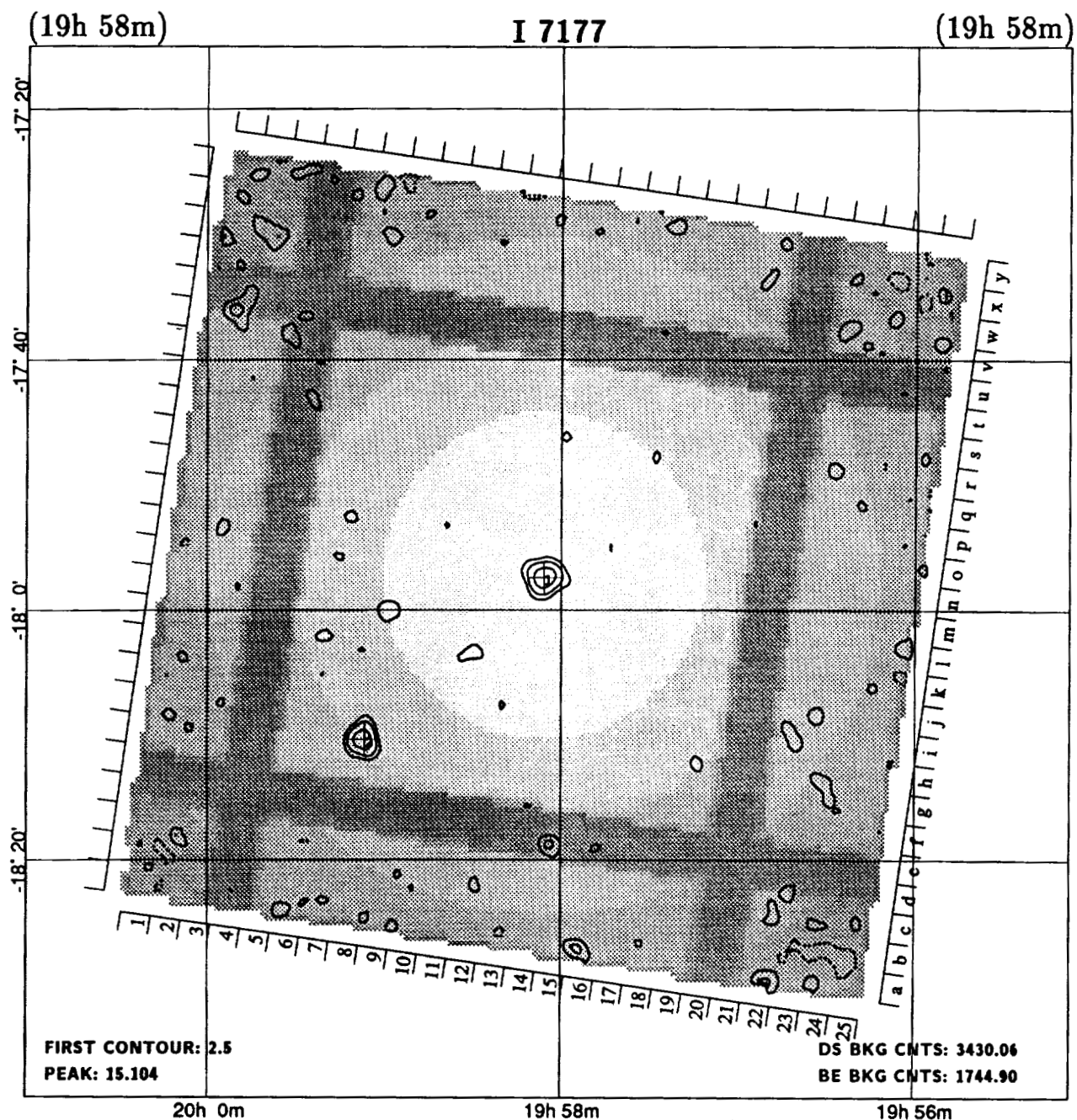
NGC 6853: PLANETARY NEBULAE WITH HOT STARS

FIELD CENTER: $19^{\text{h}}57^{\text{m}}24.9^{\text{s}}$ $22^{\circ}34'52''$ (B1950)
 $19^{\text{h}}59^{\text{m}}34.4^{\text{s}}$ $22^{\circ}43'08''$ (J2000)
 $l: 60.83$ $b: -3.69$

DATE: 1979/292 - 1979/292
 LIVETIME: 1994.3s
 ROLL ANGLE: 96.9°

NH: $4.4\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4308	1	19 57 27.1	22 35 29	35	0.0227	0.0043	33.7	6.3	5.3	1.4	0	0.9	
4311	2	19 58 31.6	22 34 26	51	*0.0192	0.0044	22.1	3.9	4.3	1.1	803	15.6	H



OV -198, BURSTING RADIO SOURCE

FIELD CENTER: $19^{\text{h}}58^{\text{m}}04.2^{\text{s}}$ $-17^{\circ}56'57''$ (B1950)
 $20^{\text{h}}00^{\text{m}}56.7^{\text{s}}$ $-17^{\circ}48'38''$ (J2000)
 $l: 24.01$ $b: -23.11$

DATE: 1981/ 85 - 1981/ 85
 LIVETIME: 2779.5s
 ROLL ANGLE: -81.9°

NH: $7.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
4310	1L	19 58 05.9	-17 57 22	34	0.0271	0.0049	56.1	18.9	5.4	1.0	0	0.6		
4312	2L	19 59 06.7	-18 10 21	50	0.0271	0.0056	39.0	10.0	4.7	0.9	0	20.1		

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13. ABSTRACT (Maximum 200 words) The Einstein Observatory (HEAO-2 launched November 13, 1978) achieved radically improved sensitivity over previous x-ray missions through the use of focusing optics, which simultaneously afforded greatly reduced background and produced true images. During its 2.5-yr mission, the Einstein X-Ray Telescope was pointed toward some 5,000 celestial targets, most of which were detected, and discovered several thousand additional "serendipitous" sources in the observed fields. This catalog contains contour diagrams and source data, obtained with the imaging proportional counter in the 0.16 to 3.5 keV energy band, and describes methods for recovering upper limits for any sky position within the observed images. The main catalog consists of six volumes (numbered 2 through 7) of right ascension ordered pages, each containing data for one observation. Along with the primary documentation describing how the catalog was constructed, volume 1 contains a complete source list, results for merged fields, a reference system to published papers and data useful for calculating upper limits and fluxes. A machine readable version of the catalog is available as a set of three CD-ROM (Compact-Disk Read Only Memory), and source information is also accessible via an on-line computer service.				
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